



Load Test Report

Report Number:	WS136942-2	February 26, 2021
Client:	KLEVAKLIP SYSTEMS PTY LTD	Page 1 of 4
	Unit 63/176 South Creek Rd Cromer NSW 2099	
Client Contact:	Greg Doupe	
Order Number:	Refer Greg Doupe	
Test Requirements:	Load test of adjustable supports per the client's instructions.	
Sample:	8 x Galvanised adjustable supports and associated hardware.	
Sample details:	Samples A-D - 190mm x 45mm timber piece bearing Samples E-H - 90mm x 90mm timber piece bearing	
Test Date:	23, 25/02/21	
Test Conditions:	Ambient Temperature 21°C	

Test Equipment: 500kN Universal Testing Machine A1203 (Calibration Certificate N2221-X-6)
Support blocks

Test Setup: Samples A, B, E and F were set to the minimum height and samples C, D, G and H were set to the maximum height of 290mm (measured from base to bottom of the L-bracket. Bearer for each test were fixed to the L-bracket using two M10 hex bolts and nuts.

Test Load: Samples were proof load tested for 5 minutes to a load of 20kN per support. Following the proof load the supports were taken to a maximum load (or 50kN which ever came first).

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Sydney



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Test Results:

Sample	Bearer size (mm)	Height	Proof load (kN)	Maximum load (kN)	Observations
A	190x45	Minimum	20	36.04	Test stopped as bearer cracking, load dropped, damage to L bracket
B	190x45	Minimum	20	37.20	Test stopped as bearer cracking, load dropped, damage to L bracket
C	190x45	Maximum	20	31.15	Test stopped as bearer cracking, load dropped, damage to L bracket
D	190x45	Maximum	20	31.48	Test stopped as bearer cracking, load dropped, damage to L bracket
E	90 x 90	Minimum	20	50*	Test stopped, some deformation in L bracket and bearer cracking
F	90 x 90	Minimum	20	50*	Test stopped, some deformation in L bracket and bearer cracking
G	90 x 90	Maximum	20	50*	Test stopped, some deformation in L bracket and bearer cracking
H	90 x 90	Maximum	20	50*	Test stopped, some deformation in L bracket and bearer cracking

* - Test stopped at 50kN load reached.

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Figures 1-2: Example of test setups used.

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Figures 3-4: Example of damage observed on amps after testing.

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