



## Load Test Report

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**Report Number:** WS136942-1 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 multi purpose supports and associated hardware.  
**Sample details:** Samples A-C and G - 190mm x 45mm timber piece bearing  
Samples D-F and H - 90mm x 90mm timber piece bearing  
**Test Date:** 22/02/21  
**Test Conditions:** Ambient Temperature 21°C

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

**Test Setup:** Samples were set to highest recommended height of 150mm (measured from base to bottom of L-bracket. Samples A-F were fixed to base with fasteners provided. Samples G and H were not fixed to the base. Bearers were fixed to the L-bracket on all samples using three 45mm long roofing screws.

**Test Load:** Samples A-F were proof load tested for 5 minutes to a load of 10kN per support. Following the proof load the supports were taken to a maximum load.

Samples G and H were loaded to determine the load before slipping of legs at base occurred. Samples were then loaded until failure.

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### Test Results:

Sample	Bearer size (mm)	Proof load (kN)	Maximum load (kN)	Observations
A	190x45	10	22.38	No damage during proof load, leg bent at max load, damage to plywood base
B	190x45	10	23.64	No damage during proof load, leg bent at max load, damage to plywood base
C	190x45	10	22.55	No damage during proof load, leg bent at max load, damage to plywood base
D	90 x 90	10	29.52	No damage during proof load, leg bent at max load, damage to plywood base
E	90 x 90	10	28.87	No damage during proof load, leg bent at max load, damage to plywood base
F	90 x 90	10	25.15	No damage during proof load, leg bent at max load, damage to plywood base

Sample	Bearer size (mm)	Leg slip load (kN)	Maximum load (kN)	Observations
G	190x45	*	23.05	Leg bent at max load, damage to plywood base
H**	90 x 90	*	38.20	Test stopped due to cracking of bearer. No significant damage to sample

\* - No obvious slipping was observed during testing.

\*\* - Sample tested with steel baseplate due to significant damage to plywood base plate.

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Figures 1-2: View of samples tested and set up.

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Figures 3-4: Examples of samples after testing.

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