

# CERTIFICATE OF TEST

Issued by : TUV NEL Ltd  
Mechanical Testing

Certificate No. : MSLQ - 2

Date of Issue : 7 June 2005



TUV NEL Ltd,  
East Kilbride,  
Glasgow, G75 0QU, UK.

Tel No. 01355 220222.  
Fax No. 01355 272791

## Authorised Signatories:

D Hare, L Hunter, R Hone, D. Rooney

**Customer** Zip-Clip Ltd, 33 Vastre Industrial Estate, Newton Powys SY16 1DZ

**Project No.** PPE500000 **NEL Test Mark:** MSLQ-06-10

**Specimen Received Date** 12 May 2005 **Date of Test:** 17 May 2005

**Specimen Description:** 5 off 2.0mm dia 7x7 steel galvanised wire c/w 2 off KL-100 cable locks for each wire sample.

**Object of Test** The object of the test was to provide a SWL with 5:1 Factor of Safety for a 2mm dia 7x7 steel galvanised wire.

**Method of Test** 5 samples of 2mm dia wire were tested. The wire samples were looped at each end using a KL100 cable lock. A load of 300 kg was applied to each sample using an Instron screw driven two space universal testing machine. At the customers request each sample was loaded to destruction.

Results	Sample (2.0mm wire)	300 kg load	Destruction (kg)
	MSLQ-06	Pass	383 kg
	MSLQ-07	Pass	388 kg
	MSLQ-08	Pass	414 kg
	MSLQ-09	Pass	392.3 kg
	MSLQ-10	Pass	379.2 kg

SWL (2.0 mm wire) = 60 kg / 5:1 FOS = 300 kg

**Comments** The 2.0mm dia wire samples achieved load to destruction in excess of a 5:1 Factor of Safety when tested at NEL.

## Distribution

Zip-Clip Ltd	1 Copy
NEL	1 Copy

Tested by.....