

CERTIFICATE OF TEST

Issued by : TUV NEL Ltd
Mechanical Testing

Certificate No. : MSYS-KE

Date of Issue : 24 August 2006



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

Project No. PPE600000 **NEL Test Mark:** MSYS-06-10

Specimen Received Date 30 June 2006 **Date of Test:** 4 July 2006

Specimen Description: 5 off 2.0mm dia 7x7 steel galvanised wire c/w 1 off KL-100 cable lock and terminated by 2 off self locking karabiners for each wire sample (see product Identification).

Object of Test The object of the test was to provide a SWL with 5:1 Factor of Safety for a 2.0mm dia Double karabiner End 7x7 steel galvanised wire suspension system. At the customers request each sample was loaded to destruction using a 200 kN capacity hydraulic test machine.

Method of Test 5 samples of 2.0 mm dia wire were tested. The wire sample karabiners were attached to a 2.25 kN 10 mm dia karabiner fixed to the base of the test machine, the loading end was looped using a KL100 cable lock.

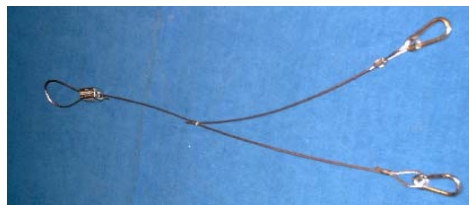
Results

Sample (2.0 mm wire)	Destruction (kg)
MSYS-06	308 kg
MSYS-07	271 kg
MSYS-08	335 kg
MSYS-09	330 kg
MSYS-10	341 kg

SWL (2.0 mm wire) = 50 kg / 5:1 FOS = 250 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.

Product Identification



2.0 mm wire c/w KL-100 Cable Lock terminated by Double Karabiner End Suspension System

Distribution

Zip-Clip Ltd	1 Copy
NEL	1 Copy

Tested by.....*T. Callaghan*.....

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