

## TEST REPORT

MANN DESIGNS cc  
Att: Mr.D.J. Haltmann  
P O Box 1707  
Honeydew  
2040

Your ref :  
Our ref : 14ME173  
Enquiries : D.T. Kgopa  
Tel No. : (012) 428 6661  
Report No. : 2536/14ME173  
Page : 1 of 3  
Date : 2014 – 11 – 11

### TESTING OF STIRRUPS ACCORDING TO CUSTOMER SPECIFIC REQUEST

#### 1 CONCLUSION

The Mechanical Laboratory received a request from the company MANN DESIGNS cc to have their stirrups tested. Refer to clause 4 of this report for the tests requested and to clause 5 for details of the results.

#### 2 DESCRIPTION OF SAMPLES

The samples with the following description were submitted.

sample ID	Qty	Sample description
14ME173	03	Stirrups



#### 3 SAMPLE SUBMITTED

The samples were received in a good condition and were suitable for testing.

Date sample received : 2014 – 10 – 20  
Test commencement date : 2014 – 11 – 03  
Test completion date : 2014 – 11 – 10

1 Dr Lategan Road, Groenkloof, Private Bag X191, Pretoria, 0001.  
Tel +27 12 428 7911. Fax +27 12 344 1568

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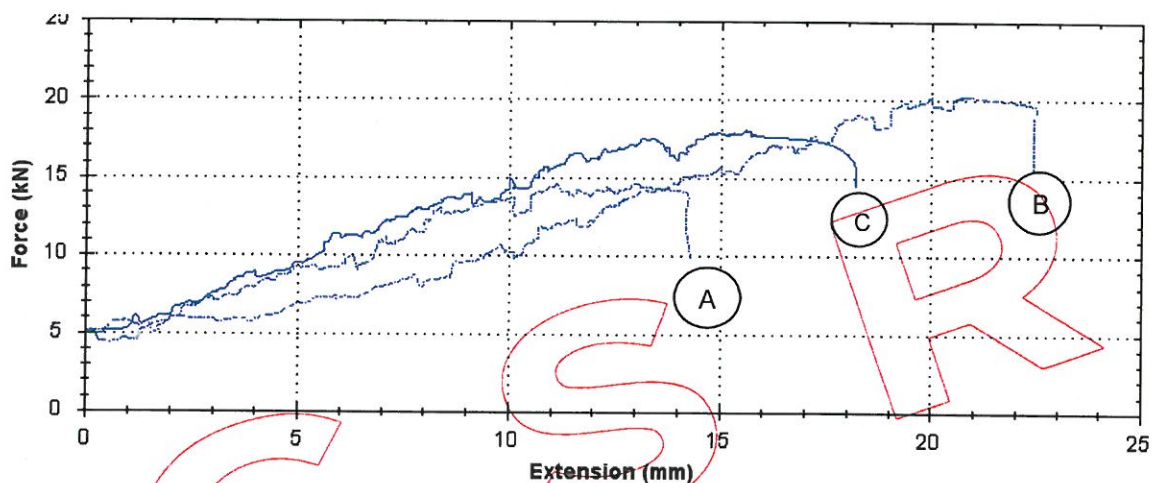
**4 TEST REQUESTED**

To perform a destructive load test on the submitted samples.

**5 RESULTS**

5.1 The following results were recorded during the load test until destruction:

Samples ID	Recorded test speed, mm/min	Destructive load, kN	Destructive load, kg
14ME173a	22 - 28	14,65	1 493
14ME173b		22,50	2 294
14ME173c		18,05	1 840



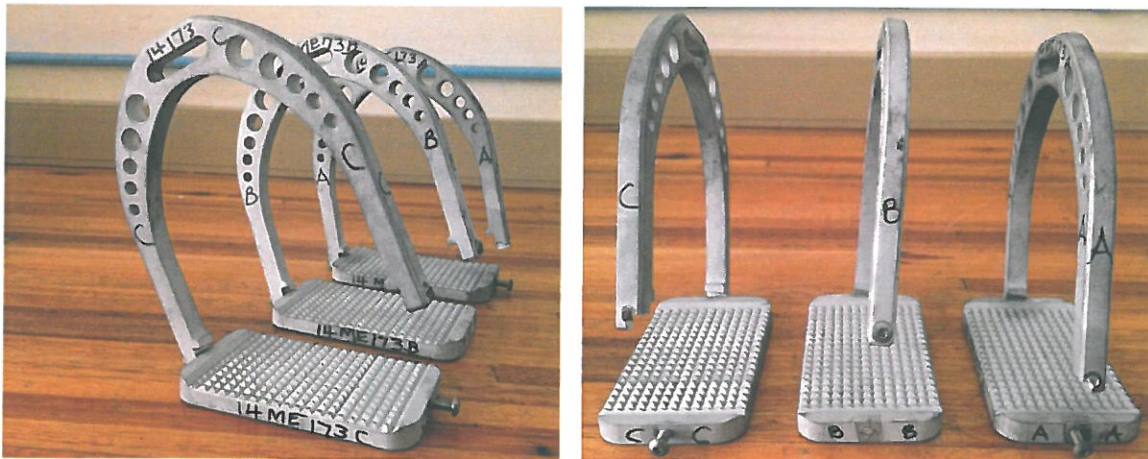
5.2 The following was observed after the destructive load test:

- 14ME173a – The bolt eye on the arm collapsed.
- 14ME173b – The securing bolt sheared off.
- 14ME173c – The bolt eye on the arm collapsed.



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**6 EQUIPMENT**

Equipment	Serial number	Calibration date
Universal testing machine	12934	2014/03/04

**7 CONDITIONING AND TEST ENVIROMENT**


There were no special environmental conditions necessary for these tests.

**8 SUB CONTRACTING OF LABORATORIES**

SABS Mechanical Testing Laboratory performed the tests.

**9 REMARKS**

Please note that tested samples will be disposed if not collected within a period of three weeks from the day of this report.

  
**Tested by: D. T Kgopa**  
**Test Officer**  
**Mechanical Testing**

  
**Approved by: K.C. Malekutu**  
**Manager**  
**Mechanical Testing**

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