

# TEST REPORT

# SABS

Mann Designs  
Po Box 1707  
Honeydew  
2040

Your ref : Cash  
Our ref : DM127  
Enquiries : JJ van der Merwe  
Tel no : (012) 428-7029  
Report no : 2527/DM127  
Page : 1 of 3  
Date : 2010-08-01

## TESTING OF STIRRUPS ACCORDING TO CLIENTS REQUEST

### 1. SUMMARY

The Mechanical & Fluids laboratory at SABS Commercial (Pty) Ltd received a request from a company MANN DESIGNS to perform proof loading test on their samples The test was conducted in accordance with the client's request.

### 2. DESCRIPTION OF SAMPLE

The following samples were submitted by Mr. Darrel on behalf of Mann designs.

<u>Sample No.</u>	<u>Quantity</u>	<u>Sample Description</u>
DM127	3	Stirrups

### 3. SAMPLE SUBMITTED

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

Date sample received : 2010-07-25  
Test start date : 2010-08-01  
Test completion date : 2010-08-02

### 4. TEST REQUESTED

It was requested that tensile testing be performed on the 3 stirrup samples

### 5. METHODS OF TESTING

Method used was as follows:

The samples were mounted in the tensile test rig.  
The tensile force was steadily increased until destruction occurred.  
Maximum force at which destruction occurred was recorded.

### 6. CONDITIONING AND TEST ENVIRONMENT

There were no specified conditioning and test environment for this testing.

### 7. SUB CONTRACTING OF LABORATORIES

SABS Commercial Mechanical & Fluids Laboratory performed all tests.

the SABs's CONDITIONS OF TEST\*, from which the following have been extracted:

- reproduced, provided that the abridged form or partial version of the report is approved in writing by the President and CEO of the SABs before publication or issue.

- or for any erroneous statement, whether in fact or in opinion, contained in a report issued pursuant to a test.

BS, Private Bag X191, Pretoria, 0001.



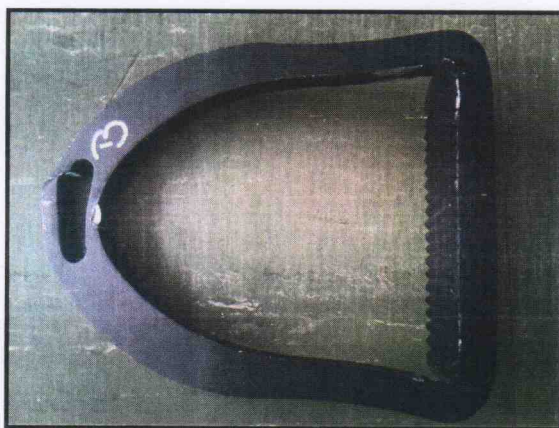
## 8 RESULTS

**Destruction test on sample a.**



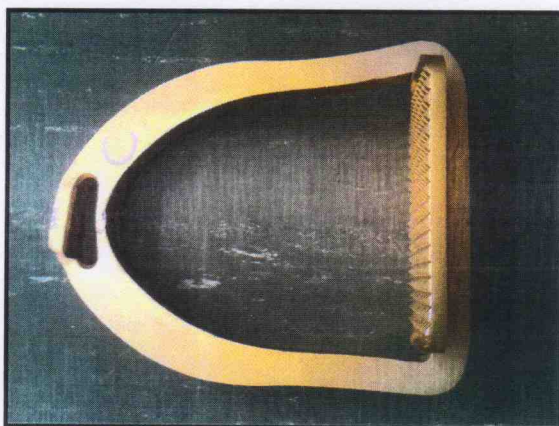
Destruction occurred at 2401,4 kg

**Destruction test on sample b.**



Destruction occurred at 2973,8 kg

**Destruction test on sample b.**




Destruction occurred at 2789,5 kg

**9 CONCLUSION**

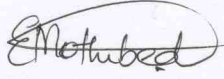
Maximum force at which stirrup samples were destructed was recorded to be 2401,4 kg, 2973,8 kg and 2789,5 kg respectively

**10 GENERAL**

All test samples will be disposed of if not collected within 3 months from date of this report



Tested by: JJ van der Merwe  
Test Officer:  
Mechanical, Fluid and Pipes



Checked by: Elizabeth Mothibedi  
Senior Test Officer:  
Mechanical, Fluid and Pipes