



mga research corporation

**NATIONAL TRANSPORTATION SAFETY BOARD
WEBBING
AS8043B BREAKING STRENGTH
(PO# NTSBP130031)**

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TESTING
CERT #0850-02



mga research corporation

TEST REPORT

MGA REPORT NO.: C13A9-071.1

TEST(S) PERFORMED ON: March 18, 2013

TEST DESCRIPTION: AS8043B Breaking Strength


ITEM(S) DESCRIPTION*: Webbing
(PO# NTSBP130031)

TEST REFERENCE NUMBER: A13892

SUBMITTED TO: Aaron Sauer
National Transportation Safety Board
4760 Oakland Street Suite 500
Denver, CO 80239

TEST LABORATORY: MGA Research Corporation
820 Suburban Park Drive
Greer, South Carolina 29651

REPORT DATE: March 19, 2013

MGA PERSONNEL: 
Jennifer Young
Project Leader

* The results presented in this report relate only to the specified test items.

** This report shall not be reproduced except in full, without the written approval of the laboratory.

Objective

This report documents the results of breaking strength testing conducted by MGA Research Corporation (MGA) for National Transportation Safety Board (NTSB) on March 18, 2013.

Customer-Specified Requirements

The purpose of this test was to evaluate the strength of the webbing sample provided by NTSB. Test specification AS8043B was used to conduct the testing. In order to meet the specified requirements, the breaking strength for pelvic restraints shall be 22.2 kN minimum, and the breaking strength for upper torso restraints shall be 17.8 kN minimum.

Equipment

Calibration information can be found in the table below and calibration certificates are available upon request. All equipment and data has been calibrated by a source traceable to the National Institute of Standards and Technology (NIST).

Description	Serial Number	Cal Date	Date Due
UTM	SC00317	11/12/12	11/12/13
Calipers	SC00100	11/2/12	11/2/13
Ruler	MGA00786	7/18/12	7/18/13

Test Procedure/Preparation

The sample was wrapped around the split drum grips and pre-loaded to 200-245 N. The sample was pulled apart at a rate of 50 mm/minute until failure. The breaking strength was measured and recorded.

Test Results

MGA Test Number	Breaking Strength (N)	Req't Met?
A13382	20,858	No

*Sample met the requirements for upper torso, but did not meet requirements for pelvic.

Additional test documentation can be found in the following appendices:

Appendix A Test Results & Graph 3

Appendix A
Test Results and Graph

MGA Test Number	Breaking Strength (N)	Req't Met?
A13382	20,858	No

*Sample met the requirements for upper torso, but did not meet requirements for pelvic.

