

Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014



Alexander Andrew, Inc. 1306 S. Alameda St Compton, CA 90221

Declaration # D0714001a

Declaration Date 2.7.14

Tested Item # **82706SA1** **6' DuraTech® Web SRD**

Additional Items Conforming Under this Declaration:					
82706SA3	82706SA4	82706SA5	82706SA6	82706SB1	82706SB2
82706SB3	82706SB4	82706SB5	82706SB6	82706SD1	82706SD3
82706SE2	82706SF4	82706SF6	82706SG5	82706SG6	82706TB1
82706TB2	82706TB3	82706TB3F	82706TB4	82706TB5	82706TB6

Alexander Andrew, Inc. declares that the product(s) listed above is in conformity with the requirements of the following performance standard(s):

ANSI Z359.14-2012

Conformity Assessment Method in accordance with ANSI/ISEA 125-2014

Level 1

Level 2

Level 3

Level 1: FallTech Lab
Outside the Scope of
ISO/IEC Standard 17025:2005

Level 2: FallTech Lab
Within the Scope of
ISO/IEC Standard 17025:2005

Level 3: Independent 3rd Party Lab
accredited to
ISO/IEC Standard 17025:2005

Supporting Documentation 340085A 8N690

Authorized Signature

Name Dustin Hawkins

Title VP Business Development

Date 2.6.15

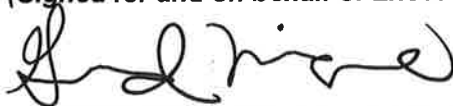

Revision History

Revision Letter:	Original Issue	Issue Date:	February 20, 2014
Prepared By:	Vicki Sheehan	Approved By:	G. Minogue / T. Parsons

Revision Letter:	A	Re - Issue Date:	February 21, 2014
Revised By:	Tom Parsons	Approved By:	See below
Reason for Revision:	Revise sample I.D.'s per customer email 2/21/14. Other editorial changes were made. (C)		

Report Signatories and Approval

This is to certify that the above tests were performed in accordance with the terms of the purchase order requirements.
Test equipment is calibrated with standards traceable to the NIST.

Approval Signature: Tim Stetson Supervisor Mechanical Laboratory	<i>(Signed for and on behalf of Exova-OCM)</i> 	
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Approval Signature: Thomas J. (Tom) Parsons Manager Quality / Technical Services	<i>(Signed for and on behalf of Exova-OCM)</i> 	
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This test report shall not be reproduced except in full, without the written approval of Exova-OCM. The laboratory has tested the material / items supplied by the client as sampled in accordance with the client's requirements. The recording of false, factious or fraudulent statements or entries on the test report may be punished as a felony under federal law. Tests so marked (*) are not included in the L-A-B and/or Nadcap schedule of accreditation of this laboratory.

Introduction

On January 23, 2014 Exova OCM received for testing four (4) samples consisting of ten (10) self-retracting lifeline devices, two extra. On February 3, 2014 Exova received two (2) additional self-retracting lifeline devices making six (6) samples consisting of 12 self-retracting lifeline devices, two extra.

Testing was performed in accordance with the P.O. and Exova OCM Quote No 14-240-1048D. Receiving inspection was performed on January 27, 2014 and no discrepancies were noted.

SPECIFICATION: American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7

MATERIAL/SAMPLE IDENTIFICATION:

Sample No.	Description	Sample I.D.
1	(4) Self-Retracting Device (1 Extra)	6' Webbing
2	(4) Self-Retracting Device (1 Extra)	10' Webbing
3	(1) Self-Retracting Device	20' (Web)
4	(1) Self-Retracting Device	20' (Cable)
5	(1) Self-Retracting Lifeline Device	30' Galvanized; 7 x 19 Wire Rope
6	(1) Self-Retracting Lifeline Device	50' Galvanized; 7 x 19 Wire Rope

REQUIRED TESTING:

Sample No.	Quantity	Test Description	Test Method
1 - 6	10 total	Proof Load	ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7

Summary of Results

Sample No.	Determination	Test Values	Requirements	Results
1	Ultimate Load (lbf held for 1 minute)	3069 Avg.	Load of 3000 pounds held for one minute.	Complies
2	Ultimate Load (lbf held for 1 minute)	3013 Avg.	Load of 3000 pounds held for one minute.	Complies
3	Ultimate Load (lbf held for 1 minute)	3020	Load of 3000 pounds held for one minute.	Complies
4	Ultimate Load (lbf held for 1 minute)	3014	Load of 3000 pounds held for one minute.	Complies
5	Ultimate Load (lbf held for 1 minute)	3024	Load of 3000 pounds held for one minute.	Complies
6	Ultimate Load (lbf held for 1 minute)	3032	Load of 3000 pounds held for one minute.	Complies

Conclusion

The above customer supplied devices meet ANSI/ASSE Z359. 14-2012 for the testing performed

Proof Load

<i>Material Identification:</i>	1) Self-Retracting Device
<i>Part No. / Lot / Batch / Serial No.:</i>	6' Webbing
<i>Specification:</i>	Exova OCM Quote & American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7
<i>Test Procedure:</i>	ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7
<i>Details:</i>	<i>Test Speed:</i> 2.0 inch/minute
<i>Specimen Conditions:</i>	73°F / 46% RH
<i>Test Temperature:</i>	73°F
<i>Test Performed By:</i>	Aurelio Lara <i>Date of Test:</i> 02-13-2014

TEST RESULTS:

Specimen No.	Ultimate Load (lbf)
1	3062
2	3072
3	3074
Average:	3069
Requirement:	Load of 3000 pounds held for one minute.

The above sample meets ANSI/ASSE Z359.14-2012 requirements for the above test.

EQUIPMENT USED:

Equipment	Size / Type	Control Number	Calibration Due
Load Frame	33 kip	1118	07-08-14
Load Cell	5 kip	2152	09-20-14

Proof Load

<i>Material Identification:</i>	2) Self-Retracting Device
<i>Part No. / Lot / Batch / Serial No.:</i>	10' Webbing
<i>Specification:</i>	Exova OCM Quote & American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7
<i>Test Procedure:</i>	ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7
<i>Details:</i>	<i>Test Speed:</i> 2.0 inch/minute
<i>Specimen Conditions:</i>	73°F / 46% RH
<i>Test Temperature:</i>	73°F
<i>Test Performed By:</i>	Victor Romo <i>Date of Test:</i> 02-14-2014

TEST RESULTS:

Specimen No.	Ultimate Load (lbf)
1	3022
2	2996
3	3021
Average:	3013
Requirement:	Load of 3000 pounds held for one minute.

The above sample meets ANSI/ASSE Z359.14-2012 requirements for the above test.

EQUIPMENT USED:

Equipment	Size / Type	Control Number	Calibration Due
Load Frame	5 kip	2274	06-25-14
Load Cell	5 kip	2275	01-30-15

Proof Load

<i>Material Identification:</i>	3) Self-Retracting Device
<i>Part No. / Lot / Batch / Serial No.:</i>	20' (Web)
<i>Specification:</i>	Exova OCM Quote & American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7
<i>Test Procedure:</i>	ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7
<i>Details:</i>	<i>Test Speed:</i> 2.0 inch/minute
<i>Specimen Conditions:</i>	73°F / 46% RH
<i>Test Temperature:</i>	73°F
<i>Test Performed By:</i>	Victor Romo <i>Date of Test:</i> 02-14-2014

TEST RESULTS:

Specimen No.	Ultimate Load (lbf)
1	3020
Requirement:	Load of 3000 pounds held for one minute.

The above sample meets ANSI/ASSE Z359.14-2012 requirements for the above test.

EQUIPMENT USED:

Equipment	Size / Type	Control Number	Calibration Due
Load Frame	5 kip	2274	06-25-14
Load Cell	5 kip	2275	01-30-15

Proof Load

Material Identification: 4) Self-Retracting Device
Part No. / Lot / Batch / Serial No.: 20' (Cable)
Specification: Exova OCM Quote & American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7
Test Procedure: ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7
Details: *Test Speed:* 2.0 inch/minute
Specimen Conditions: 73°F / 46% RH
Test Temperature: 73°F
Test Performed By: Victor Romo *Date of Test:* 02-15-2014

TEST RESULTS:

Specimen No.	Ultimate Load (lbf)
1 - 1 st Time	640**
1 - 2 nd Time	3014
Requirement:	Load of 3000 pounds held for one minute.

**Note: Material dropped then continued to hold to required load.

The above sample meets ANSI/ASSE Z359.14-2012 requirements for the above test.

EQUIPMENT USED:

Equipment	Size / Type	Control Number	Calibration Due
Load Frame	30 kip	1548	06-25-14
Load Cell	5 kip	1109	05-02-14

Proof Load

<i>Material Identification:</i>	5) Self-Retracting Lifeline Device
<i>Part No. / Lot / Batch / Serial No.:</i>	30' Galvanized; 7 x 19 Wire Rope
<i>Specification:</i>	Exova OCM Quote & American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7
<i>Test Procedure:</i>	ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7
<i>Details:</i>	<i>Test Speed:</i> 2.0 inch/minute
<i>Specimen Conditions:</i>	73°F / 46% RH
<i>Test Temperature:</i>	73°F
<i>Test Performed By:</i>	Victor Romo <i>Date of Test:</i> 02-15-2014

TEST RESULTS:

Specimen No.	Ultimate Load (lbf)
1	3024
Requirement:	Load of 3000 pounds held for one minute.

The above sample meets ANSI/ASSE Z359.14-2012 requirements for the above test.

EQUIPMENT USED:

Equipment	Size / Type	Control Number	Calibration Due
Load Frame	30 kip	1548	06-25-14
Load Cell	5 kip	1109	05-02-14

Proof Load

<i>Material Identification:</i>	6) Self-Retracting Lifeline Device
<i>Part No. / Lot / Batch / Serial No.:</i>	50' Galvanized; 7 x 19 Wire Rope
<i>Specification:</i>	Exova OCM Quote & American National Standard ANSI/ASSE Z359.14-2012, para. 4.2.5 & 3.1.7
<i>Test Procedure:</i>	ANSI/ASSE Z359. 14-2012, para. 4.2.5 & 3.1.7
<i>Details:</i>	<i>Test Speed:</i> 2.0 inch/minute
<i>Specimen Conditions:</i>	73°F / 46% RH
<i>Test Temperature:</i>	73°F
<i>Test Performed By:</i>	Victor Romo
	<i>Date of Test:</i> 02-15-2014

TEST RESULTS:

Specimen No.	Ultimate Load (lbf)
1	3032
Requirement:	Load of 3000 pounds held for one minute.

The above sample meets ANSI/ASSE Z359.14-2012 requirements for the above test.

EQUIPMENT USED:

Equipment	Size / Type	Control Number	Calibration Due
Load Frame	30 kip	1548	06-25-14
Load Cell	5 kip	1109	05-02-14

END OF REPORT



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622
1306 S. ALAMEDA STREET
COMPTON, CA 90221-4803

MTL# 8N690 (Pg 1 of 29)
DATE RECEIVED: 1/28/14
DATE COMPLETED: 2/7/14
BY: Dan Redden
P.O.#

Description: Self – Retracting Devices
Part number: 6’ DuraTech Web SRL Non-LE
Mfg.: Fall Tech
Specification required: ANSI Z359.14-2012

D.O.M: 1/14

Self – Retracting Devices

3.1.2 Locking Function

Sample SN	Automatic with no override	Result
1707541	Yes	Pass
1707524	Yes	Pass
1702696	Yes	Pass

3.1.4 Visual Indicator

Sample SN	Visible	Result
1707541	Yes	Pass
1707524	Yes	Pass
1702696	Yes	Pass

All samples will be retained for a period of 30 days.

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Tests are accredited and meet the requirements of ISO/IEC 17025 as verified by the ANSI/ASQ National Accreditation board/Aclass. Refer to certificate & scope of accreditation at -1503.

We certify the above analysis to be the true results on the designated samples.

MIDWEST TESTING LABORATORIES, INC. Cherie Ulatowski

Cherie Ulatowski-President



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 2 of 29)

Self – Retracting Devices

3.1.5 Corrosion Protection – 96 hours salt spray

Sample SN	Corrosion Related Failure	Payout / Retract / Lock	Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
1707540	No	Yes	2.53 / 10	2.29 / 10	2.34 / 10

Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
2.75 / 10	3.65 / 10	3.30 / 10	Pass

3.1.6 / 4.2.6 Retraction Tension

Sample SN	Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
1707540	1.27 / 10	1.29 / 10	1.41 / 10	2.06 / 10
1707539	1.25 / 10	1.37 / 10	1.78 / 10	2.02 / 10
1707541	1.25 / 10	1.44 / 10	1.29 / 10	1.78 / 10

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.11 / 10	3.34 / 10	Pass
2.97 / 10	2.84 / 10	Pass
3.31 / 10	2.62 / 10	Pass



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 3 of 29)

Self – Retracting Devices

3.1.8 / 4.2.3 Dynamic Strength – 300 lb. weight SRD to Anchor

Sample SN	Lock and Hold	Line Retention 1,000 lbs.	Result
1707527	Yes	Held	Pass
1702679	Yes	Held	Pass
1702680	Yes	Held	Pass

3.1.8 / 4.2.3 Dynamic Strength – 300 lb. weight SRD to Weight

Sample SN	Lock and Hold	Line Retention 1,000 lbs.	Result
1702688	Yes	Held	Pass
1702687	Yes	Held	Pass
1707517	Yes	Held	Pass



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 4 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 Dynamic Performance SRD to Anchor

Sample SN	Length After Drop (inches)	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1350 lbs.) Class B: (≤ 900 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1707541	61.75	25.75	663	857	Yes
1707524	54	18	854	1,278	Yes
1702696	57.5	21.5	716	1,013	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
2.05 / 9	2.09 / 9	2.44 / 9	2.70 / 9
2.04 / 9	1.66 / 9	2.42 / 9	2.99 / 9
2.03 / 9	1.87 / 9	2.56 / 9	2.81 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.48 / 9	3.25 / 9	Pass Class B
3.12 / 9	3.46 / 9	Pass Class A and B
3.33 / 9	3.53 / 9	Pass Class A and B



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 5 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 Dynamic Performance SRD to Weight

Sample SN	Length After Drop (inches)	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1350 lbs.) Class B: (≤ 900 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1707539	52	16	864	1,104	Yes
1707523	48	12	779	1,163	Yes
1707536	58.75	22.75	725	1,027	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
2.07 / 9	1.99 / 9	2.00 / 9	3.04 / 9
2.12 / 9	1.97 / 9	2.42 / 9	2.97 / 9
2.11 / 9	2.01 / 9	2.19 / 9	3.11 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.41 / 9	3.38 / 9	Pass Class A and B
3.40 / 9	3.61 / 9	Pass Class A and B
3.38 / 9	3.55 / 9	Pass Class A and B



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 6 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 / 4.2.8.1 Dynamic Performance - Heat - SRD to Anchor

Sample SN	Length After Drop	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1575 lbs.) Class B: (≤ 1125 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1707537	61.5	25.5	604	845	Yes
1707538	61.5	25.5	620	865	Yes
1707521	61	25	667	963	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
2.40 / 9	2.12 / 9	2.52 / 9	2.98 / 9
2.45 / 9	2.10 / 9	2.64 / 9	2.87 / 9
2.45 / 9	2.12 / 9	2.58 / 9	2.96 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.48 / 9	3.79 / 9	Pass Class B
3.51 / 9	4.07 / 9	Pass Class B
3.50 / 9	3.83 / 9	Pass Class B



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 7 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 / 4.2.8.1 Dynamic Performance - Heat - SRD to Weight

Sample SN	Length After Drop	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1575 lbs.) Class B: (≤ 1125 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1707529	49.5	13.5	594	686	Yes
1707533	57	21	649	862	Yes
1707522	57	21	626	806	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
2.11 / 9	1.72 / 9	2.60 / 9	2.92 / 9
2.08 / 9	1.83 / 9	2.73 / 9	2.88 / 9
2.21 / 9	1.95 / 9	2.48 / 9	3.10 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.57 / 9	4.09 / 9	Pass Class A and B
3.58 / 9	3.01 / 9	Pass Class A and B
3.51 / 9	3.66 / 9	Pass Class A and B



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 8 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 / 4.2.8.2 Dynamic Performance - Cold – SRD to Anchor

Sample SN	Length After Drop	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1575 lbs.) Class B: (≤ 1125 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1707532	61.5	25.5	716	930	Yes
1707530	55	19	965	1,299	Yes
1707534	61.25	25.25	738	1,145	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
1.89 / 9	1.75 / 9	1.99 / 9	2.34 / 9
2.48 / 9	1.94 / 9	2.59 / 9	2.57 / 9
2.14 / 9	1.58 / 9	2.10 / 9	2.52 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
2.86 / 9	3.64 / 9	Pass Class B
3.58 / 9	3.52 / 9	Pass Class A and B
3.14 / 9	3.27 / 9	Pass Class B



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1072 WHEATON • TROY, MICHIGAN 48083
 PHONE (248) 689-9262 • FAX (248) 689-7637
 info@midwesttesting.com • www.midwesttesting.com

ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 9 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 / 4.2.8.2 Dynamic Performance - Cold – SRD to Weight

Sample SN	Length After Drop	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1575 lbs.) Class B: (≤ 1125 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1707531	61.5	25.5	677	907	Yes
1702683	50.25	14.25	714	892	Yes
1702681	55.5	19.5	638	967	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
1.82 / 9	1.52 / 9	2.10 / 9	2.46 / 9
2.56 / 9	1.99 / 9	2.30 / 9	2.83 / 9
2.19 / 9	1.65 / 9	2.37 / 9	2.66 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.09 / 9	3.26 / 9	Pass Class B
3.39 / 9	3.66 / 9	Pass Class A and B
3.46 / 9	3.43 / 9	Pass Class A and B



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 10 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 / 4.2.8.3 Dynamic Performance - Wet – SRD to Anchor

Sample SN	Length After Drop	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1575 lbs.) Class B: (≤ 1125 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1702684	56.25	20.25	849	1,323	Yes
1702682	52.75	16.75	863	1,262	Yes
1702685	60.5	24.5	693	1,017	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
2.32 / 9	1.78 / 9	2.19 / 9	3.07 / 9
1.93 / 9	1.65 / 9	1.85 / 9	2.26 / 9
1.39 / 9	1.25 / 9	1.28 / 9	2.11 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.28 / 9	3.63 / 9	Pass Class A and B
2.91 / 9	2.76 / 9	Pass Class A and B
2.54 / 9	2.06 / 9	Pass Class B



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ORIGINAL REPORT OF ANALYSIS

FALL TECH #1622

MTL# 8N690 (Pg 11 of 29)

Self – Retracting Devices

3.1.9 / 4.2.1 / 4.2.8.3 Dynamic Performance - Wet – SRD to Weight

Sample SN	Length After Drop	Arrest Distance Class A: (≤ 24 inches) Class B: (≤ 54 inches)	Average Arrest Force Class A: (≤ 1575 lbs.) Class B: (≤ 1125 lbs.)	MAF (≤ 1,800 lbs.)	Payout / Retract / Lock / Visual Indicator
1702690	52	16	882	1,300	Yes
1702689	52.75	16.75	928	1,349	Yes
1702691	53	17	726	1,143	Yes

Retraction Tension 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 20% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 40% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 60% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)
1.83 / 9	1.36 / 9	2.03 / 9	2.36 / 9
2.11 / 9	1.76 / 9	2.37 / 9	2.51 / 9
1.41 / 9	1.26 / 9	1.43 / 9	1.85 / 9

Retraction Tension – 80% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Retraction Tension – 100% 3.1.6 / 4.2.6 (1.25 – 25 lbs. / ≤ 24 inches)	Result
3.09 / 9	2.69 / 9	Pass Class A and B
3.23 / 9	3.54 / 9	Pass Class A and B
2.32 / 9	2.58 / 9	Pass Class A and B



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