



INTERTEK TEST REPORT

August 8<sup>th</sup>, 2016

Cindy Kunitsugu
GF Fall Protection Inc.
6305 S 231<sup>st</sup> St.
Kent, WA 98032-1872
USA

Intertek Test Report Number: G102643746CRT-001
Customer PO number: 156311
Intertek Signed Quote Number (s): Qu-00705785
Product Type: Cross Arm Anchor Strap
Product Models: 10785
Addition Models Covered: 10786, 10787, 10788, 10790, 10791, 10792, 10793, 10794
Type of Testing Entity: Third Party Testing Laboratory
Test Standard(s): ANSI/ASSE Z359.1-2007 ed.
Manufacturer's Name and Address: Same as addressee
Evaluation/Testing Location: Intertek, 3933 US Rte 11, Cortland NY 13045 \*\*
Date(s) of Testing: 8/8/16

Dear Cindy,

Intertek has completed the evaluation of your anchor strap model 10785, to the client specified sections of, American National Standard, Safety Requirements for Personal Fall Arrest Systems, Subsystems and Components, ANSI/ASSE Z359.1-2007. In addition to model 10785 the testing in the test report covers model number(s) 10786, 10787, 10788, 10790, 10791, 10792, 10793, 10794 which are the same product with the only difference being the length. The test samples were received in pristine condition on 8/3/16 and testing at Intertek located in Cortland, NY on 8/8/16.

The results of these tests are as indicated below.

Table with 4 columns: Tests Completed, Test Date, ANSI/ASSE Z359.1-2007 Clause, Pass/Fail. Rows include Design Requirements, Static Strength, and Markings & Instructions.

Please see attached test data for details.

This test report concludes the work anticipated in the testing phase of your project. If there are any questions regarding this report please contact the undersigned at 607-753-6711.

Tested by,

Matt Stevens
Technician
Performance Group

Reviewed by,

Andrew Rulison
Team Leader
Performance Group

\*\* Intertek Laboratory is ISO/IEC 17025:2005 (CAN-P-4E) accredited by Standards Council of Canada (SCC) with the scope available for review at the following location: http://www.scc.ca/en/palcan/38.

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Intertek, Inc.

3933 US Route 11, Cortland, NY 13045 USA
Telephone: +1 607-753-6711 Fax: +1 607-756-9891 Web: www.intertek.com



**INTERTEK TEST DATA SHEETS**

Client:	<u>Guardian Fall Protection</u>	Engineer:	<u>Andrew Rulison</u>
Job No.:	<u>G102643746</u>	Tested By:	<u>Matt Stevens</u> MS <u>8/8/16</u>
Product:	<u>Cross Arm Anchor Strap</u>	Reviewed By:	<u>Andrew Rulison</u> AR <u>8/8/16</u>
Model No.:	<u>10785</u>	Standard:	<u>ANSI/ASSE Z359.1-2007</u>
Sample C/N:	<u>CRT1608031414</u>	<b>TRANSCRIBED TEST DATA</b>	

TEST EQUIPMENT							
Used for Test	Description	Manufacturer	Control No.	Model No.	Serial No.	Cal. Date	Cal. Due
X	Stop Watch	FS	N1179	NA	NA	10/19/15	10/19/16
X	Load Cell	Interface	L137	NA	NA	9/27/15	9/27/16
Z	Static Beam	Intertek	NA	NA	NA	Rate Of Speed	2" per minute
X	Latest Standards Used:		ANSI/ASSE Z359.1-2007			Verified By:	MS

SAMPLE LOG				
Model No.	Intertek Control No.	Received Date:	Quantity (ea)	Condition (as rec'd)
Cross Arm Strap 10785	CRT1608031414	8/3/16	3	Pristine, new, unused

Paragraph	Test Description	Comments	Pass/Fail
<b>3</b>	<b>Design Requirements</b>		
	3.2.2.1; Materials and Construction		<b>PASS</b>
	3.2.2.2; Straps		<b>PASS</b>
	3.2.2.3; Threads and Stitching		<b>PASS</b>
	3.2.2.4; Harness Support		<b>PASS</b>
	3.2.2.5; Attachment Element		<b>PASS</b>

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Model No.:	10785	Standard:	ANSI/ASSE Z359.1-2007
Sample C/N:	CRT1608031414	<b>TRANSCRIBED TEST DATA</b>	

Paragraph	Test Description	Results	Pass/Fail												
<b>3.2.5.1</b>	<b>Anchorage Connector Qualification Test (test section 4.3.6)</b>														
	3,600 lbs-f & hold for 1-minute, then release load and reapply 5,000 lbs-f and hold for 1-minute.	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%">Sample #</th> <th style="width:25%">Deformation</th> <th style="width:25%">Breakage</th> </tr> </thead> <tbody> <tr> <td align="center">1</td> <td align="center">NO</td> <td align="center">NO</td> </tr> <tr> <td align="center">2</td> <td align="center">NO</td> <td align="center">NO</td> </tr> <tr> <td align="center">3</td> <td align="center">NO</td> <td align="center">NO</td> </tr> </tbody> </table>	Sample #	Deformation	Breakage	1	NO	NO	2	NO	NO	3	NO	NO	<b>PASS</b>
Sample #		Deformation	Breakage												
1		NO	NO												
2		NO	NO												
3	NO	NO													
<b>5.1</b>	<b>Marking Requirements (General)</b>														
	5.1.1; Markings shall be in English		<b>PASS</b>												
	5.1.2; Shall endure the life of the product, pressure sensitive labels shall meet UL 969		<b>PASS</b>												
	5.1.3 a; part # and model designation		<b>PASS</b>												
	5.1.3 b; year of manufacture		<b>PASS</b>												
	5.1.3 c; manufacturers name or logo		<b>PASS</b>												
	5.1.3 d; capacity rating		<b>PASS</b>												
	5.1.3 e; standard number "Z359.1"		<b>PASS</b>												
	5.1.3 f; warning to follow manufacturer's instructions		<b>PASS</b>												
<b>5.2.5</b>	<b>Marking Requirements (Anchors)</b>														
	5.2.5 a; the materials of construction		<b>PASS</b>												
	5.2.5.b; the proper method of coupling		<b>PASS</b>												
	5.2.5.c; avoid contact with sharp edges and abrasives		<b>PASS</b>												
	5.2.5.d; inspection requirements		<b>PASS</b>												
	5.2.5.e; warning regarding incompatible connectors		<b>PASS</b>												
	5.2.5.f; stability an compatibility limitations		<b>PASS</b>												
	5.2.5.g; physical hazards, thermal, electrical, chemical		<b>PASS</b>												
<b>5.3</b>	<b>Instruction Requirements (General)</b>														
<b>5.3.1</b>	Provided to the user printed in English and affixed to the equipment		<b>PASS</b>												
<b>5.3.2</b>	Shall contain the following information: <ul style="list-style-type: none"> <li>• instructions shall be provided to users</li> <li>• mfr's name, address, telephone #</li> <li>• mfr's part number, and model designation</li> <li>• intended use and purpose</li> <li>• proper method of use and limitations</li> <li>• illustrations showing locations of markings</li> <li>• reproduction of printed information</li> <li>• inspection procedures</li> <li>• anchorage requirements</li> <li>• criteria for discarding equipment</li> <li>• Procedures for cleaning, etc.</li> <li>• reference to ANSI/ASSE Z359.1-2007</li> </ul>		<b>PASS</b>												
<b>5.3.3</b>	Require that only the equipment manufacture to make		<b>PASS</b>												

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Model No.:	<u>10785</u>	Standard:	<u>ANSI/ASSE Z359.1-2007</u>		
Sample C/N:	<u>CRT1608031414</u>	<b>TRANSCRIBED TEST DATA</b>			

Paragraph	Test Description	Results	Pass/Fail
	repairs		
5.3.4	Require the user to remove equipment subjected to a fall		<b>PASS</b>
5.3.5	Require the user to have a rescue plan		<b>PASS</b>
5.3.6	Warnings regarding: <ul style="list-style-type: none"> <li>• altering the equipment</li> <li>• misusing the equipment</li> <li>• using combinations of components</li> <li>• exposing the equipment to chemicals</li> <li>• using around moving machinery</li> <li>• using near sharp edges</li> </ul>		<b>PASS</b>
5.4.5	<b>Instruction Requirements (Anchor Connectors)</b>		
	5.4.5 a; materials of construction		<b>PASS</b>
	5.4.5 b; stable and compatible interfaces		<b>PASS</b>
	5.4.5 c; proper method of coupling to anchorages		<b>PASS</b>
	5.4.5 d; the strength of the anchorage connector		<b>PASS</b>
	5.4.5 e; warning to attach to no more than one PFAS		<b>PASS</b>
	5.4.5 f; warning to avoid exposure to physical/ chemical hazards		<b>PASS</b>

Sample Pictures

