Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014



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

Declarat	ion#	A101803	3a	Decl	aration Date	10).22.18
Tested Item	‡ 7	7393W	Rota	ting D-Ring Anc	hor with We	ld-on	Puck
Additiona	il Items Co	onforming Und	er this Declarati	on:			
Alexa				e product(s) listed			ty with
			ANSI Z	359.18-2017			
	Conf	ormity Assess	ment Method	in accordance with <i>i</i>	ANSI/ISEA 125-2	2014	
	Lev	el 1	Lev	el 2	Level 3	X	
Outs	I 1: FallTe ide the Sc tandard 1		Withir	2: FallTech Lab In the Scope of Indard 17025:2005	Level 3: Indep acc ISO/IEC Sta	credited t	:0
Supporting Documentation	on	10367089	97CRT-002				
	Autho	orized Signatu	ıre		<i></i>		
Name	Mark	Sasaki	Title	Director of Engine	ering	Date	3.20.19



ClimbTech LLC.

TEST REPORT

SCOPE OF WORKs

ANSI Z359.18 – 2017 Safety Requirements for Anchorage Connectors for Active Fall Protection Systems

REPORT NUMBER

103670897CRT-002

ISSUE DATE

10/22/18

PAGES

13

DOCUMENT CONTROL NUMBER

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Report No.: 103670897CRT-002

Date: October 22th, 2018

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Danny Aleksovski ClimbTech LLC. 7303 Burleson Rd. Austin, TX 8744-3200 USA Danny@Climbtech.com

Report Number.....: 103670897CRT-002

Signed Quote Number....: Qu-00912586

PO Number Q#00912586

Name of Testing Laboratory

Preparing the Report: Intertek Testing Services NA Inc.

Test Specification:

Standard...... ANSI/ASSE Z359.18-2017

Date(s) of Testing.....: 10/16/18 – 10/18/18

Product Description: Anchor

Product Type:: Type T

Brand Name: MEGA Swivel Anchor

Model Number(s):: SWY100N

Date(s) Samples Received: 10/8/18

Date: 22, Oct, 2018

SECTION 1

SUMMARY OF TESTING

TESTS COMPLETED	ANSI/ASSE Z359.18-2017 CLAUSE	STATUS
Design Requirements	3	PASS
Conditioning (pre-dynamic strength) - Non Textile Abrasion	4.2.2.1.2	PASS
Dynamic Strength Test- Type T	4.2.2.1.4	PASS
Residual Dynamic Strength-Type T	4.2.3.2	PASS
Static Strength Test- Type T	4.2.1.2	PASS
Serviceability Static Load Test- Type T	4.2.4.2	PASS
Markings and Instructions	5	PASS

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SECTION 2

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.

COMPLETED BY:	Matthew Stevens	REVIEWED BY:	Andrew Rulison
TITLE:	Technician	TITLE:	Engineering Supervisor
SIGNATURE:	Alf galler	SIGNATURE	Southful
DATE	10/19/18	DATE:	10/22/18

Please see attached test data for details.

Date: 22, Oct, 2018

SECTION 3
TESTING EQUIPMENT CALIBRATION INFORMATION

USED FOR TEST	DESCRIPTION	MANUFACTURER	CONTROL NO.	MODEL NO.	SERIAL NO.	CAL. DATE	CAL. DUE
Х	Drop Test Structure	Intertek	NA	CAT. 3	-	N/A	N/A
X	Test Dead Weight	NA	15064	282 lbs	-	VBU	VBU
Х	Test Dead Weight	NA	15065	300 lbs	-	VBU	VBU
X	Load Cell	Interface	558451	-	-	12/29/18	12/29/19
Х	Tape Measure	Stanley	H339	25'	-	4/26/18	4/26/19

SECTION (TEST)	REQUIREMENT	RESULTS	COMPLIANCE
3	Design Requirements		PASS
	Connection points shall meet the A) A connection point shall a time.	following requirements: support only one user or system at	PASS
		on a type T anchorage connector a minimum 1" inside radius.	PASS
3.1.1	connectors shall not have	orage connectors, anchorage re closed loops that are not intended n for, a connection point.	PASS
	D) Anchorage connectors to buckle, adjuster or othe shall use hardware that that standard.	PASS	
	E) Multiple connection poi and davit style anchorag	nts shall only be permitted on tripod e connectors.	PASS
3.1.2	_	at can come in contact with other s, pits, sharp corners and roughness brading of the components.	PASS
3.1.3.1	Corrosion Resistance: all hot-dip ASTM A123/A123M, standard sp galvanized) Coatings on iron and	· · · · · · · · · · · · · · · · · · ·	PASS
3.1.3.2.1	Type A and Type T: load bearing to anchorage connectors shall main temperatures between -30 degree (+54C) or be engineered to account temperatures. Metallic compone certified as meeting ANSI Z359.12 section.	PASS	
3.1.3.2.2	,,	all be clearly labeled with a minimum es F (-23 C) if load bearing parts are ctions 3.1.3.2.2	NA

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SECTION (TEST)	REQUIREMENT	RESULTS	COMPLIANCE	
3.1.3.2.3	Where a type D anchorage connector verify the anchorage connector verification	F (-23 C), a qualified person shall	NA	
3.1.3.3		be clean and free of scale, rust and r than applied protective coatings.	PASS	
3.1.3.4	Welded Assembly: When compo- meet ANSI/AWS D1.1 for steel, A ANSI/AWS D1.6 for stainless stee		PASS	
3.1.3.5	connecting an anchorage connec	Fasteners: Manufacturer shall provide or specify fasteners for connecting an anchorage connector to an anchorage in its intended application. Information must be included in the user instructions.		
3.1.4.1	Textiles shall not contain natural non-recycled synthetic material, heat resistance characteristics expolyester and shall be marked wi	PASS		
3.1.4.2	Stitching/Cutting: If a subsystem uses stitching for connection of load bearing components it shall meet the following requirements: A) Use lock stitching B) Secure the end of threads by backstitching, overlapping stitching or other methods. C) Threads used for sewing shall be physically compatible with the webbing and of a quality comparable to that of the webbing. D) Hot-cut or fuse thermoplastic materials, cord, tape and webbing to prevent fraying. E) The tread color or shade shall contrast with that of the webbing to facilitate visual inspection.		PASS	
3.1.5.1	Other load bearing materials use meet the performance requirement	PASS		
3.1.5.2		s to which another standard in the the requirements of ANSI Z359.18-	PASS	

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SECTION (TEST)	REQUIREMENT		RESULTS		COMPLIANCE
3.2.2.2/4.2.2.2.4	Dynamic Strength (Type T Anchor): A) Install anchorage connector, requirements of 4.2.2.1.2 or accordance with 4.1.2 B) Connect one end of the test I anchorage connector to be lower instrumentation. C) Connect the other end of the 4.1.3 D) Raise the test weight to achie E) Release the test weight by m F) Evaluate the test results per 1	PASS			
·	Dynamic Strength Test	SAMPLE:	SAMPLE:	SAMPLE:	
	Anchorage connector successfully arrest the test weight?	YES	YES	YES	
	If deformation occurred did it create more than 1/8" (3mm) between gate ar body?	nd N/A	N/A	N/A	
	MAF (Ref Only) Lbs.	3623	3698	3681	
Note: Mounted through ¾" thick I-Beam Substrate.					

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SECTION (TEST)	REQUIREMENT		RESULTS		COMPLIANCE
	Residual Dynamic Strength Test: 1. Repetition of the test specified connector without further conused in first test. 2. Must support the test weight dynamic drop. 3. Evaluate the test results per 3				
	Residual Dynamic Strength	SAMPLE: 1	SAMPLE: 2	SAMPLE:	
	Anchorage connector successfully arrest the test weight?	YES	YES	YES	
3.2.3.1/4.2.3.2	Maintain the test weight for a period of a least 1 minute?	t YES	YES	YES	PASS
	If deformation occurred did it create more than 1/8" (3mm) between gate and body?	N/A	N/A	N/A	

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CECTION					
SECTION (TEST)	REQUIREMENT		RESULTS		COMPLIANCE
	Static Strength Test for Type T Ancho A) A new anchorage connector B) Test force shall be 5,000 po C) Install anchorage connector requirements of 4.1.2. D) Apply load to the anchorage specified in 4.1.2.5. E) Apply load at no greater that load for at least 3 minutes. F) Release load G) Evaluate the test results per				
3.2.1.1/4.2.1.2	Static Strength Requirements	SAMPLE 3	SAMPLE 4	SAMPLE 5	PASS
	Anchorage resist the test load?	YES	YES	YES	
	If deformation occurred did it create more than 1/8" (3mm) between gate and body?	NA	NA	NA	
	Serviceability Load for Type T Anchor A new anchorage connector Test force shall be greater t (Whichever is Greater) Install anchorage connector requirements of 4.1.2. Apply load at no greater tha 3 minutes. Release load Evaluate the test results per	r may be used han twice the very may be used or on the test and an 90lbs/min a	for each test. work load or 2, achorage in acc	ordance with	Dec.
3.2.1.1/4.2.4.2	Static Strength Requirements	SAMPLE 3	SAMPLE 4	SAMPLE 5	PASS
	Anchorage resist the test load?	YES	YES	YES	
	Cracking/Breaking or Deformation	NO	NO	NO	

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SECTION (TEST)	REQUIREMENT	COMPLIANCE
5	Marking and Instruction Requirements	PASS
	The following marking shall appear in English on the label, marking or tag that is designed to last for the lifetime of the anchorage connector and is permanently affixed to the anchorage connector: A) The manufacture's name or mark	PASS
	B) The year of manufacture	PASS
	C) Model number	PASS
5.1.1	D) "ANSI Z359.18 and the type	PASS
	Marking to indicate restrictions on directions of loading, if applicable	PASS
	F) Where specified by the manufacturer, the working load.	PASS
	G) An individual serial number or a lot or batch number that provides traceability	PASS
	H) Minimum breaking strength followed by "MBS"	PASS
5.1.2	As required for the specific anchorage connector, the following marking shall appear in English on a label, marking or tag that is designed to last for the lifetime of the anchorage connector and is permanently affixed to the anchorage connector.	PASS
5.1.2.1	Anchorage connector that incorporates a closed loop not intended for connection, but may be mistake for a connection point shall be permanently labeled with a warning not to connect a fall protection system or suspended component to the closed loop when used in a cinching application.	PASS
5.1.2.2	For type D anchorage connectors only, any information that is needed for clearances calculations and anchorage strength identification	PASS
5.1.2.3	The minimum service temperature the anchorage connector according to 3.1.3.2	PASS
5.1.2.4	For tripods and davit systems, the maximum number of users permitted on the system.	PASS
5.2	Instruction Requirements	PASS
5.2.1	Instruction and information shall be provided in English with each anchorage connector.	PASS

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SECTION (TEST)	REQUIREMENT	COMPLIANCE
5.2.1.1	Overall: A) A statement that the anchorage connector has been tested in compliance with the requirements of ANSI/ASSE Z359.7, and caution that the ANSI compliance and testing covers only the hardware and does not extend to the anchorage and substrate w=to which the anchorage connector is attached. B) Specifications for appropriate anchorage(s) to which the anchorage connector can be attached, including instructions on how to proceed when the user is unable to determine whether the anchorage meets the manufactures specification and instructions that the anchorage connector shall only be connected to anchorages that: i) Can withstand 5,000 pounds without failure, except that lower strengths are acceptable when permitted by applicable legislation ii) Are certified by a professional engineer as having the required strength for fall arrest or travel restraint, as applicable iii) The manufacturer may provide specifications of allowable materials including the minim shapes, sizes and geometry of structural elements to which the anchors connector may be fastened C) The manufacturer shall clearly label the minimum service temperature for the anchorage connector according to 3.1.3.2. D) The manufacturer shall supply complete specifications for fasteners E) The anchorage connector type	PASS

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SECTION (TEST)	REQUIREMENT	COMPLIANCE
5.2.1.1	Overall: F) The permitted uses of the anchorage connector G) The connection point(s), working load limit H) The material used in the anchorage connectors construction I) The length of the anchorage connector and any other dimensions that may affect its compatibility with anchorages to which it may be connected. J) The manufacturer shall make available upon request information for the design of systems, such as AAF and/or force vs. displacement curve(s) for the device. K) A statement that only one fall protection system or positioning system may be attached to an individual connection point L) Specification providing the intended direction(s) of loading of the anchorage connector M) A complete list of the anchorage connector components provided by the manufacturer at the time of sale N) A warning against unauthorized alterations, relocations or additions to the anchorage connector	PASS
5.2.1.2	Use: A) Instructions on proper installation and use, including, but not limited to, compatibility with other fall protection components B) The length of the anchorage connector and any other dimensions that may affect its compatibility with anchorages to which it may be connected C) Where applicable, directions regarding the appropriate length of lanyard to use with the anchorage connector to compensate for the additional length that it may add to the lanyard. (Instructions to include the length of anchorage connector, manner of use and location relative to working surface in the calculation of fall clearance). D) Permitted and forbidden uses, including clear description of and the recommended ways of dealing with the applicable compatibility concerns E) A warning to remove any surface contamination such as concrete, stucco, roofing material, etc., that could accelerate the cutting or abrading of attached components F) Warnings concerning environments and conditions that may degrade the anchorage connector G) Training requirements	PASS

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SECTION (TEST)	REQUIREMENT	COMPLIANCE
5.2.1.3	Inspection and Field Testing: A) Instructions on testing, if needed B) Where applicable, directions for the installer to perform and document proof testing upon installation. Directions shall include proof load forces and acceptable methods C) Field serviceability testing: The manufacturer shall provide guidelines for how often field load testing must be undertaken to prove that the anchorage connector continues to be adequately secured to the structure. These guidelines shall include recommended methods for testing, including the direction and point of application of test loads D) The recommended frequencies and procedures for inspection, maintenance, and when applicable, testing E) Instructions for inspecting and servicing an anchorage connector after it is subjected to a fall or an inspection reveals an unsafe condition F) If applicable, guidelines for the retirement of the anchorage connector G) The action to be taken if an inspection of the anchorage connector reveals an unsafe condition H) The action to be taken after the anchorage connector is subjected to a fall I) Criteria for removal of an anchorage connector from service if deformed from its original installed configuration	PASS
5.2.1.4	Clinching and Non-Clinching Style Anchorage Connectors: A) Where the anchorage connector includes an abrasion pad, provide directions that the abrasion pad shall be installed between the anchorage and the lead bearing loop B) The proper method of installing the anchorage connector including, as applicable for non-clinching anchorage connectors. The maximum angle permitted between the connection legs	PASS

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SECTION 5

REVISION HISTORY

REPORT NUMBER	DATE OF REVISION	DESCRIPTION OF CHANGE:	PROJECT OWNER	REVIEWED BY
103670897CRT-002	10/19/18	Original Report	Matthew Stevens	Andrew Rulison

Date: 22, Oct, 2018

