

Declaration of Conformity

In Accordance with ANSI/ISEA 125-2014 and ANSI/ASSP Z359.7-2019

Item #: UFH10331P

Description: KStrong® Kapture[™] Epic 5-Point Full Body Harness, Dorsal D-ring, 2 Side D-rings, Waist Pad w/ Removable Tool Belt, Back/Shoulder Pad, QC Chest and Legs (ANSI)

Brand Name: KStrong

Manufacturer: KStrong

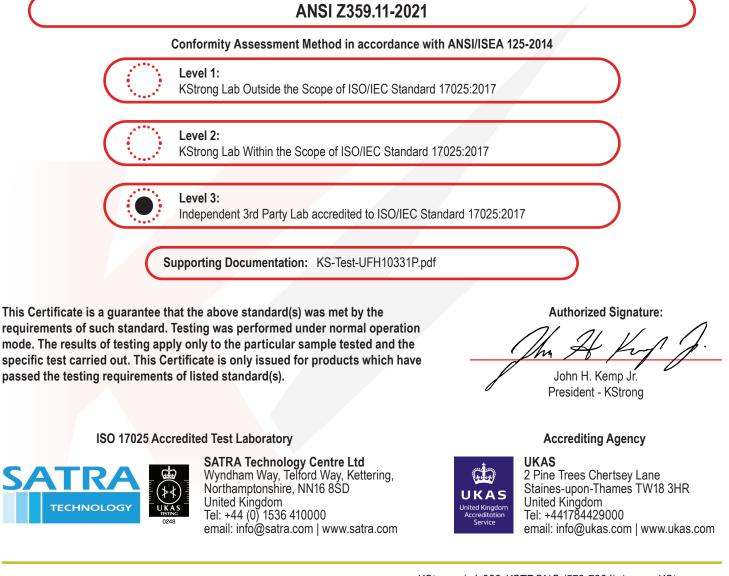
Address: 150 N. Radnor Chester Road, Suite F200, Radnor, PA 19087

Declaration #: DOC-UFH10331P Declaration Date: 11/28/2023

Additional Items Conforming Under this Declaration (If Applicable):

> UFH10331P(S-L) UFH10331P(L-XL) UFH10331P(XL-2XL) UFH10331P(2XL-3XL)

KStrong declares that the product(s) listed above is in conformity with the requirements of the following performance standard(s):



Certificate of Test



For: KStrong Inc 150 N. Radnor Chester Rd Suite F200 Radnor	Our reference: SPC7810H6T0 Issue 2 Date: 28/11/2023
PA 19087 USA	
ProductUFH10331P & UFH10331GDescriptionFull body harnesses – The harnesses are mo "UFH10331G" includes the use of tongue and testing was caried out on both styles	stly identical, with the only difference being that eyelet fastening leg straps. Full verification
Test Data	
Testing carried out in accordance with ANSI Z359.11-2021 fo	llowing clauses only:
3.1 Design Requirements 3.2.1 Attachment Element Requirements – Dorsal 3.2.6 Attachment Element Requirements – Hip	PASS PASS PASS

3.3 Component Requirements

The products referenced "UFH10331P & UFH10331G" complies with the clauses of ANSI Z359.11-2021 stated above

Full details of test data provided in the following report: SPC7810H6T0 /2348 dated the 28/11/2023



Figure 1 – Sample referenced as UFH10331P

1.

2.



Figure 2 – Sample referenced as UFH10331G

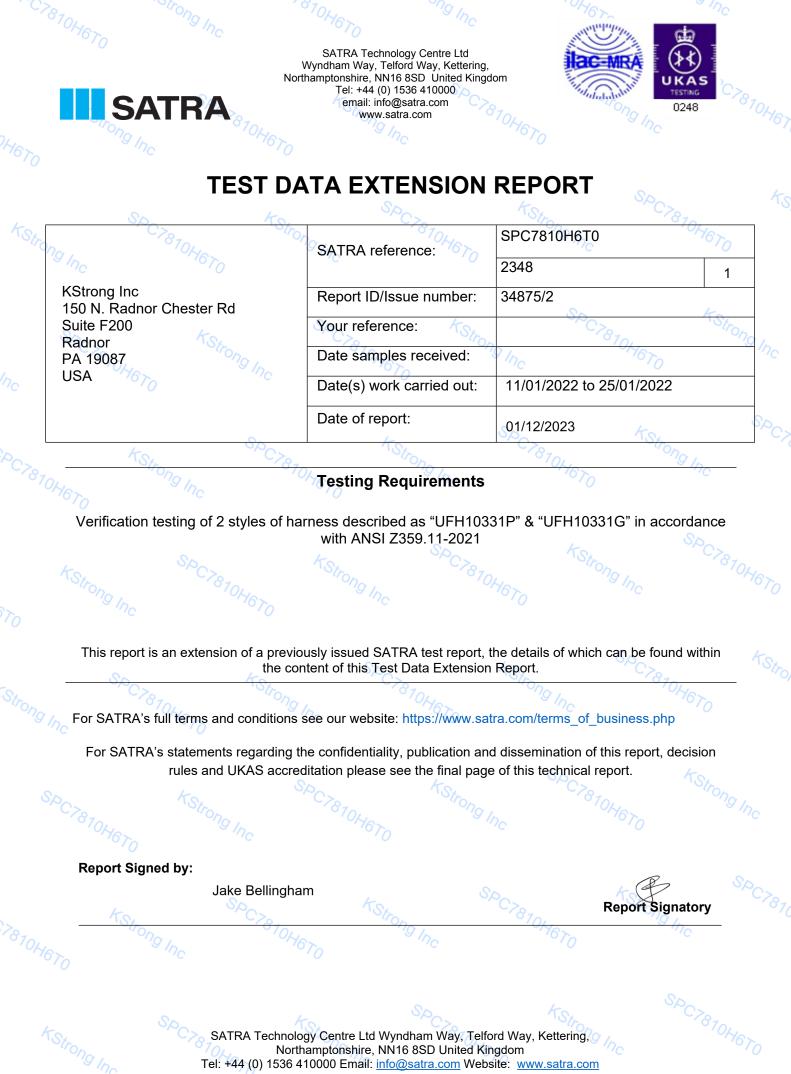
This report is designed to indicate the performance of the sample tested by SATRA. SATRA have not approved the on-going quality control. It is the responsibility of purchasers to satisfy themselves that other production batches perform similarly. Please refer to original test report stated above for terms and conditions SIGNATURE

PASS

Jake Bellingham PPE Technologist Safety Products Centre

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Technical Report 7810H6TO



Work Requested

SATRA

Samples of full body harness (FBH), described as "UFH10331P" & "UFH10331G", were received by SATRA on the 16th November 2021, for testing in accordance with ANSI Z359.11 - 2021

The harnesses are mostly identical, with the only difference being that "UFH10331G" includes the use of tongue and eyelet fastening leg straps. Full verification testing was caried out on both styles

This report is an extension of report referenced SPC0313537 /2120 /1 Issue 2

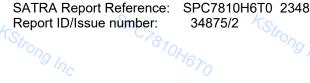
Conclusions

	This report is an exte	ension of report reference	ed SPC0313537 /2120 /	1 Issue 2	~	K.	
	Conclusions	KStropp	SPC7810L	KStrong In	°C7810H67	NSIN	ong Inc
	Sample Reference	Standard	Clause / Property	C	10	Pass / Fail	
		3.1 Design Requireme	nts		PASS		
	UFH10331P &	ANSI Z359.11 - 2021	3.2.1 Attachment Elem	ent Requirements – [Dorsal	PASS	SD-
	UFH10331G	ANOI 2008.11 - 2021	3.2.6 Attachment Elem	ent Requirements – I	lip 🔨	PASS	\sim
	to	to	3.3 Component Requir	ements	د,	PASS	
87	OL.	¹⁹ 10	167 Ing Ing	· · · · · · · · · · · · · · · · · · ·	TO	S Inc	
	Testing	"C	0				

Testing

Testing was carried out in accordance with ANSI Z359.11 – 2021 between the 11th & 25th January 2022

Samples were tested as received, and were not subject to any pre-conditioning processes other than those stated in











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Test Results

SATRA

Table 1 – Testing of harness described as "UFH10331P" & "UFH10331G" in accordance with ANSI Z359.11 – 2021

SS	TS TS	C>81	1010L
ANSI Z359.11 - 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass / Fail
3.1 Design Requirements	3.1.2 FBHs shall permanently incorporate a dorsal attachment element.	The harnesses permanently include a dorsal attachment element	PASS
SPC7810H67	FBHs may contain any combination of other elements but limited to those described in section 3.2	The harnesses also include hip attachment elements	PASS
ts	FBHs shall permanently include a load bearing sub-pelvic strap, except those described in 3.1.14	The harnesses permanently include a sub- pelvic strap	PASS
DH6TO	3.1.3 Shoulder straps on FBHs shall come together at the dorsal location and either cross, be connected by webbing that	Shoulder straps come together at the dorsal location and cross over each other	PASS
KStrong	meets the requirements of section 3 or attach with a connector meeting Z359.12	SPC7810H6TO KStrong Inc	^{S/O} C)
S Inc	3.1.4 FBHs shall permanently incorporate a waist belt or back strap, or other means of controlling the separation of the	The harnesses permanently include a waist strap as a means of controlling the separation of the shoulder straps	PASS
SPCZ	shoulder straps on the back of the FBH	SPC781042 KStrong In-	27810H6TC
nc	When the FBH is mounted onto the test torso, some portion of the back strap or waist belt shall be located between datum	The waist belt is located between datum points G & K	PASS
	levels G and K	KStrop	TStro
^{PC7810H6T0}	3.1.5 Modular components or assemblies for FBHs designed for the removal of different attachment elements shall meet the specific attachment element	Not applicable – no modular components	N/A
	requirements of section 3 while	to Spc to	5
KStroj STO	¹⁹ Inc	Strong Inc 810H6TO	ong Inc

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3.1 Design Requirements (continued) 3.1.5.1 Modular components shall be attached to the harness using connections that meet section 3 and those components shall have a minimum breaking strength of 5,000 pounds (22.2kN). Not applicable – no modular components Not If buckles are used, they must meet ANSI Z359.12 and at least be used in pairs Buckles used meet ANSI Z359.12 and are used in pairs PA 3.1.5.2 When attached to the FBH, an attachment element extender shall be no longer than 24 inches (610mm). Not applicable – no attachment elements extenders included Not used in spection of the harness is possible PA 3.1.6 For FBHs integrated into a vest or other garment, the design of the garment shall allow visual inspection of the FBH Not applicable – no attachment elements extenders included Not attached to the Dorsal element. All indicators shall be located where they can be visually inspected Indicators are located on around the back below the dorsal attachment and can be visually inspected PA		Result / Comment Fail	– 2021 ANSI 2359.11 – 2021 Requirement	ANSI Z359.11 – 2021 Clause / Test
meet ANSI Z359.12 and at least be used in pairsused in pairs3.1.5.2 When attached to the FBH, an attachment element extender shall be no longer than 24 inches (610mm).Not applicable – no attachment elements extenders includedNot extenders included3.1.6 For FBHs integrated into a vest or other garment, the design of the garment shall allow visual inspection of the FBHNot applicable – no attachment elementsNot extenders included3.1.7 All FBHs shall be equipped with a fall arrest indicator that will defined in section 3.2, when attached to the Dorsal element.The harnesses both include a fall arrest indicators shall be located where they can be visually inspectedPAAll indicators shall be located where they can be visually inspectedIndicators are located on around the back below the dorsal attachment and can be visually inspectedPA3.1.7.1 If fall arrest indicators are present on other attachment elements of the FBH, they mustNot applicable – visual indicators are only present on dorsal attachmentNot applicable – visual indicators are only present on dorsal attachment	16TO	Not applicable – no modular components N/A	3.1 Design Requirements (continued) 3.1.5.1 Modular components shall be attached to the harness using connections that meet section 3 and those components shall have a minimum breaking strength of	3.1 Design
FBH, an attachment element extender shall be no longer than 24 inches (610mm).extenders included3.1.6 For FBHs integrated into a vest or other garment, the design of the garment shall allow visual inspection of the FBHVisual inspection of the harness is possiblePA3.1.7 All FBHs shall be equipped with a fall arrest indicator that will defined in section 3.2, when attached to the Dorsal element.The harnesses both include a fall arrest indicator that deploys in accordance with section 3.2PAAll indicators shall be located where they can be visually inspectedIndicators are located on around the back below the dorsal attachment and can be visually inspectedPA3.1.7.1 If fall arrest indicators are present on other attachment elements of the FBH, they mustNot applicable – visual indicators are only present on dorsal attachmentNot applicable – visual indicators are only present on dorsal attachment	ss ong Inc		meet ANSI Z359.12 and at least	SPC7810HG
vest or other garment, the design of the garment shall allow visual inspection of the FBHThe harnesses both include a fall arrest indicator that deploys in accordance with section 3.2PA3.1.7 All FBHs shall be equipped with a fall arrest indicator that will deploy during dynamic testing defined in section 3.2, when attached to the Dorsal element.The harnesses both include a fall arrest indicator that deploys in accordance with section 3.2PAAll indicators shall be located where they can be visually inspectedIndicators are located on around the back below the dorsal attachment and can be visually inspectedPA3.1.7.1 If fall arrest indicators are present on other attachment elements of the FBH, they mustNot applicable – visual indicators are only present on dorsal attachmentNot applicable – visual indicators are only present on dorsal attachment	م مەر		FBH, an attachment element extender shall be no longer than	
with a fall arrest indicator that will deploy during dynamic testing defined in section 3.2, when attached to the Dorsal element.indicator that deploys in accordance with 	S	Visual inspection of the harness is possible PASS	vest or other garment, the design of the garment shall allow visual	870H6TO
where they can be visually inspected below the dorsal attachment and can be visually inspected 3.1.7.1 If fall arrest indicators are present on other attachment elements of the FBH, they must Not applicable – visual indicators are only present on dorsal attachment	SC7810H6T0	indicator that deploys in accordance with	with a fall arrest indicator that will deploy during dynamic testing defined in section 3.2, when	KStrong Inc
present on other attachment present on dorsal attachment elements of the FBH, they must	ss t _{st}	below the dorsal attachment and can be	where they can be visually	So
accordance with 4.3.6	Ŷ ⊘		present on other attachment elements of the FBH, they must activate when tested in	ng Inc
3.1.8 FBH with attached connecting subsystem combinations shall meet the requirements of ANSI Z359.11 for the FBH and the appropriate Z359 component standard for the attached sub-system(s) when	Strong Inc	connecting sub-system combinations	connecting subsystem combinations shall meet the requirements of ANSI Z359.11 for the FBH and the appropriate Z359 component standard for the	SPC7810H6TO
tested respectfully	C>8	TSK SPC78- KSKOP		E.

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ANSI Z359.11 – 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass /	4
3.1 Design Requirements (continued)	3.1.9 All FBHs shall include retainers (keepers) or other components which serve to control the loose ends of straps	The straps include retainers to control the loose ends of straps	PASS	70
SPC7810HE	3.1.10 All FBHs shall include at least one lanyard parking attachment element having a disengagement load of not more than 120 pounds (0.5kN).	Disengagement load: UFH10331P: 0.35kN UFH10331G: 0.43kN	PASS	Strong Inc
45	3.1.11 It shall not be possible to remove elements of the FBH that support the shoulders/upper torso from those that support the legs/lower torso	The upper section cannot be removed from the lower section of the harnesses	PASS	కద్
TOHETO	3.1.12 All single point attachment elements shall be located laterally within 2 inches (51mm) of the vertical centreline of the FBH	The dorsal attachment element is located within 51mm of the vertical centreline of the harnesses	PASS	
KStrong Inc	3.1.13 Sternal attachments that consist of two elements intended to be connected at a single point for use shall be fixed and not adjustable vertically.	Not applicable – harnesses do not include any sternal attachment elements	N/A	⁸¹⁰ H670
SPC7	Both elements shall be clearly marked to only be used together 3.1,14 FBHs that do not include a sub-pelvic strap shall incorporate both frontal and atemated attachment elements, an	Not applicable – harness includes a sub- pelvic strap	^{>8} 10H6T0 N/A	TS4
SPC7810H670	sternal attachment elements, an integral waist belt and leg loop suspension straps, two at the front and two at the rear, all integrally attached to the waist belt	KStrong Inc SPC7810H670	KStro	ng Inc

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ANSI Z359.11 – 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass / Fail
3.2.1 Stachment Element	3.2.1 The dorsal attachment element shall be located as shown in figure 4 of ANSI	The dorsal attachment element is located as shown in figure 4 of ANSI Z359.11 and is used as the fall arrest attachment	1810H6T0
Requirements – Dorsal	Z359.11, and used as the fall arrest attachment, unless the application allows the use of an alternate attachment as defined		PASS
Sp	in 3.2.2 or 3.2.3	KSto SPC	TSING
^{r-C>810} H67	3.2.1.1 The dorsal attachment may also be used in travel restraint or rescue	The dorsal attachment element can also be used for travel restraint or rescue	> PASS
	3.2.1.2 When supported by the dorsal attachment during a fall,	During a fall, the load is directed through the shoulder straps and supporting the user	
4	the design of the FBH shall direct load through the shoulder straps supporting the user	around the thighs	PASS
٦.5 م	around the thighs 3.2.1.3.1 When tested for	Sample: UFH10331P	"g Inc
OHETO	dynamic feet first, the FBH shall meet the following criteria: a) FBH shall not release the	<i>Feet first drop</i> : Dummy restrained by FBH and held for 5 minutes	
,	test torso b) FBH shall support the test	Angle of dummy from vertical: 0.9°	SpC>87
KStrong Inc	torso for a period of 5 minutes post fall c) FBH shall support the test	Fall arrest indicator deployed and is visible:	-787
	torso, post fall at an angle not greater than 30° to	FBH stretch: 150mm Sample: UFH10331G	PASS
	vertical d) At least one fall arrest	Feet first drop: Dummy restrained by FBH and held for 5 minutes	
S'PC>	indicator shall be deployed visibly and permanently	Angle of dummy from vertical: 1.5°	°10HGTO
Inc	FBH stretch shall not exceed 18 inches (457mm), or less if stated by manufacturer	Fall arrest indicator deployed and is visible: Yes	
		FBH stretch: 180mm	tox
SPC >8-	KStropa	Strong In 810H67	"Ong

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ANSI Z359.11 - 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass / Fail
3.2.1 🕺	3.2.1.3.2 When tested for	Sample: UFH10331P	8701.
Attachment	dynamic head first, the FBH	Head first drop: Dummy restrained by FBH and	MGT
Element	shall meet the following criteria:	held for 5 minutes	10
Requirements	a) FBH shall not release the		
– Dorsal	test torso	Angle of dummy from vertical: 3.6°	
(continued)	b) FBH shall support the test		
(continued)	torso for a period of 5	Fall arrest indicator deployed and is visible:	F
	minutes post fall	Yes	15
Sp			PASS
C > 0		Sample: UFH10331G	
"TOKA	torso, post fall at an angle	Head first drop: Dummy restrained by FBH and	0
167	not greater than 30° to	held for 5 minutes	
	vertical		
	d) At least one fall arrest	Angle of dummy from vertical: 5.6°	
	indicator shall be deployed	0	
	visibly and permanently	Fall arrest indicator deployed and is visible:	St.
Ke		Yes	"On .
01	3.2.1.3.3 When tested for static	Sample: UFH10331P	n _c
L	strength feet first, the FBH shall	Feet first static: 3,600 pounds (16kN)	
HETO	meet the following criteria:	sustained for 1 minute in the direction of the	
	a) FBH shall not release the	neck without release	
	test torso		
	b) Slippage through any	Slippage through adjusters: 5mm	Sp
	adjuster shall not exceed 1		C'>
to	inch (25mm)	Eyelet adjusters included: No	
Otrop	c) The strap to which a buckle	Any sign of tearing of straps: No	
910	and eyelet adjuster is fitted	Any sign of leaning of straps. No	
C C	shall not tear further than	Noto Ouiok rologoo buaklo on log atron waa	
		Note – Quick release buckle on leg strap was	PASS
	the eyelet adjacent to the	released at 10kN, but force was still sustained	
	one through which the	Sample: UFH10331G	
.0.	tongue of the buckle	Feet first static: 3,600 pounds (16kN)	
	originally passed or 1 inch if	sustained for 1 minute in the direction of the	10Mg
~/	there is no adjacent eyelet	neck without release	· OTO
	d) Except for the straps of the	10/0	0
0 _C	buckle and eyelet adjusters,	Slippage through adjusters: 1mm	
	straps shall not allow any		
	signs of tearing	Eyelet adjusters included: Yes	
		Eyelet adjuster tearing distance: 0mm	to.
	Spa	Any sign of tearing of straps: No	· trop
C>810HGTO	3.2.1.3.4 When tested for the fall	Sample: UFH10331P	-7
870	arrest indicator test, at least one		
10HGZ	fall arrest indicator shall deploy	Dorsal attachment point loaded to 4kN	
010	visibly and permanently	Indicators deployed: Yes	
	visibly and permanently		PASS
		Sample: UFH10331G	
		Devil 4 devil South date date to	
L	Spa	Dorsal attachment point loaded to 4kN	5
T.Str	C>870	Indicators deployed: Yes	19 100
To	ng in Max	Inc To	· · · C
	- 10		

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	ANSI Z359.11 – 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass / Fail	k
Stro	3.2.6 Attachment Element Requirements – Hip	3.2.6 The hip attachment elements shall be used as a pair, and shall be used solely for work positioning or travel restraint.	The hip attachment elements are used as a pair and are solely for work positioning or travel restraint	PASS	2
	SPC7810H6T	 3.2.6.1.1 When tested for static strength feet first, the FBH shall meet the following criteria: a) FBH shall not release the test torso b) Slippage through any adjuster shall not exceed 1 	Sample: UFH10331P Feet first static: 3,600 pounds (16kN) sustained for 1 minute in the direction of the neck without release Slippage through adjusters: 0mm	ts;	rong Inc
^{>} 87	046TO	 inch (25mm) c) The strap to which a buckle and eyelet adjuster is fitted shall not tear further than the eyelet adjacent to the one through which the tongue of the buckle originally passed or 1 inch if 	Eyelet adjusters included: Yes Eyelet adjuster tearing distance: 8mm Any sign of tearing of straps: No Sample: UFH10331G Feet first static: 3,600 pounds (16kN) sustained for 1 minute in the direction of the neck without release	PASS	Sp
	Kstrong in	there is no adjacent eyelet Except for the straps of the buckle and eyelet adjusters, straps shall not allow any signs of tearing	Slippage through adjusters: 0mm Eyelet adjusters included: Yes Eyelet adjuster tearing distance: 6mm Any sign of tearing of straps: No	SIDC 78	10H6TC



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ANSI Z359.11 – 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass / Fail	
3.3.1 Component Requirements	3.3.1.1 Straps shall not be less than 1-5.8 inches (41mm) in width	Width of straps: 44mm	PASS	2
– Load bearing straps	3.3.1.2 When tested in accordance with reference 7.1.1, straps shall have a breaking strength not less than 5,000 pounds (22.2kN)	Straps used have a breaking strength not less than 22.2kN See note 2	PASS	
SPC7810H67	3.3.1.3 Straps shall be made from pure, non-recycled synthetic material having the strength, aging, abrasion and heat resistance characteristics equivalent or superior to polyamide or polyester.	A declaration has been provided by the occustomer that states that the product tested fulfils the requirements of 3.3.1.3	PASS	ong , S
046TO	Synthetic materials other than those stated herein are permitted only when it can be demonstrated by testing that all requirements of this standard are met and additionally, that the durability, reliability and other properties	KStrong Inc SPC7810H6TO	trong Inc	
KStrong Inc	pertinent to the intended uses have been evaluated and determined suitable by testing. Any restrictions on the use of such materials shall be marked on the FBH	SPC7810H6TO KStrong Inc	SPC >8	10H6
Sa	3.3.1.4 Straps shall be either hot cut, sealed, covered or stitched to prevent fraying	Straps are hot cut and stitched to prevent unravelling	PASS	4
Inc	3.3.1.5 After abrasion conditioning in accordance with reference 7.1.2, straps shall have a breaking strength of not less than 3,600 pounds (16.0kN) when tested in accordance with reference 7.1.1	Straps used have a breaking strength not less than 16kN after abrasion conditioning See note 2	PASS	
SPC7810H6T0	3.3.1.6 Straps in contact with metal connectors at attachment elements and tongue buckles shall be protected from wear	Straps in contact with metal components are protected from wear	PASS	g Inc

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ANSI Z359.11 – 2021 Clause / Test	ANSI Z359.11 – 2021 Requirement	Result / Comment	Pass / Fail	
3.3.1 Component Requirements	3.3.1.7 The spacing between hole centres of adjacent eyelets for buckle and eyelet type	Spacing between eyelet adjusters is no more than 50mm and no less than 29mm	810H6T	2
– Load bearing straps (continued)	adjustors used in FBHs shall be no more than 2 inches (50mm) and not less than 1-1/8 inches		PASS	
3.3.2 Component Requirements – Thread and	(29mm) 3.3.2.1 All thread shall be of the same material as the load bearing straps	A declaration has been provided by the customer that states that the product tested fulfils the requirements of 3.3.2.1	PASS	rong
stitching	3.3.2.2 All stitching shall be lock stitched and be securely backstitched to prevent	Stitching is lock stitched and back stitched to prevent unravelling	PASS	
046TO	unravelling 3.3.2.3 All stitching used to connect load bearing members shall be contrasting in colour to the load bearing straps of the	Stitching is of a contrasting colour to the straps to facilitate visual inspection	PASS	
	FBH to facilitate visual inspection	So to	Sport	
3.3.3 Component Requirements – Connecting components	3.3.3.1 All connecting components, except soft loop attachments, used for FBH construction shall conform to ANSI Z359.12	All relevant connecting components conform to ANSI Z359.12	PASS	104
SPC70	3.3.3.2 Soft loop attachments may be used in place of metal connecting components at all FBH attachment element locations	Not applicable – no soft loop attachments	N/A ^{810/1670}	
^{SPC7810H6T0}	3.3.3.3 Soft loop attachments shall be constructed using material that meets the requirements of section 3.3.1, excluding 3.3.1.1	Not applicable – no soft loop attachments	N/A	9 Ir
- 10H6T0	3.3.3.4 Soft loop attachments shall include protection from wear over the entire inside surface	Not applicable – no soft loop attachments	N/A	Sc
KStroj	SPC7810H6TO	KStrong Inc	ng Inc	

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ADDITIONAL INFORMATION / NOTES

Clause / Test	Test / Component	note 1)	
Dynamic, feet first 3.2.1.3.1	Applied force (to test sample)	± 0.855%	
3.2.2.3.1 3.2.3.1.1	Angle measurement	± 0.161°	
Dynamic, head first	Applied force (to test sample)	± 0.894%	910
3.2.1.3.2	Angle measurement	± 0.161°	
Static, feet first 3.2.1.3.3 3.2.2.3.2 3.2.3.1.2 3.2.4 3.2.5 3.2.6 3.2.7	Applied force (to test sample)	± 50N SPC7810H6T0 KStrong Inc	S¢
Dynamic, indicator test 3.2.1.3.4 3.2.2.3.3	Free fall distance	± 2.05mm	
Static, indicator test 3.2.1.3.4 3.2.2.3.3	Applied force (to test sample)	± 314N 670	467
Component requirements 3.3.1	Determination of length	± 2.05mm	F

Note 1 - Estimated uncertainty of measurement applied at point of test (e.g. to applied force or to tolerance limits) to 19 Inc 1670 ensure product meets requirements of the standard

Note 2 - Testing carried out under SPC0327211 /2208

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Conditions of Use

Confidentiality and Dissemination

SATRA test reports may be forwarded to other parties provided that they are not changed in any way and are not marked as confidential. Test reports must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Liability

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Accreditation

Where the UKAS logo is included on the test report then tests marked \neq fall outside the UKAS Accreditation Schedule for SATRA. Where no UKAS logo is included on the test report then none of the tests reported are covered by SATRA's UKAS Accreditation.

Tests marked ¥ are performed under SATRA's Flexible UKAS Schedule.

Uncertainty of Measurement and Decision Rules

Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor k=2, which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class, or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

Where a report contains SATRA guidelines values then uncertainty of measurement values have been taken into account when determining the guideline values and as such are not considered when determining pass/ fail criteria.