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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

# Paragliding Harness - EN

Inspection number :	PH_317.2020	
Manufacturer:	Niviuk Gliders	
Model and size :	Arrow L	
Maximum pilot weight [kg]:	120	
Integrated container for rescue system:	No	
If Yes. Volume of the container [cm <sup>3</sup> ]:	2'000 min	<b>10'000</b> max
Serial number:		
Production date (year / month) :		
Harness protector (impact pad)		
Impact pad type:	Foam	
Impact pad integrated:	Yes	
Impact pad number:	MISC_192.2021	
If not integrated : Manufacturer	Serial number:	
Production date (year / month):		

Warning : Read the operating manual before using this equipment!

A sample has been tested and certifies its conformity with the following standard: EN1651:2018, EN12491:2015. This model corresponds with the tested sample and its airworthiness.

BR | rev 02 | 21.11.2019 | ISO 94.23b

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# Paragliding Harness - LTF

Inspection number :	PH_317.2020	
Manufacturer:	Niviuk Gliders	
Model and size :	Arrow L	
Maximum pilot weight [kg]:	120	
Integrated container for rescue system:	Yes	
If Yes. Volume of the container [cm <sup>3</sup> ]:	2'000 min	10'000 max
Serial number:		
Production date (year / month) :		
Harness protector (impact pad)		
Impact pad type:	Foam	
Impact pad integrated:	Yes	
Impact pad number:	MISC_192.2021	
If not integrated : Manufacturer	Serial number:	
Production date (year / month) :		

Warning : Read the operating manual before using this equipment!

A sample has been tested and certifies its conformity with the following standard: EN1651:1999, EN12491:2015 and LTF NfL II 91/09. This model corresponds with the tested sample and its airworthiness.

BR | rev 02 | 21.11.2019 | ISO 94.23

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



# Harness inspection certificate - LTF

Inspection certificate number:

PH 317.2020

Impact pad number:

MISC 192.2021

#### Manufacturer data

Manufacturer name:

Niviuk Gliders

Representative:

Dominique Cizeau C. Del Ter. 6-Nave D

Street: Post code / place:

17165 La Cellera de Ter Girona

Country:

Spain

1000				STREET, STREET	
Sam	ne	-	~	140.	
Oali	113		u	na.	

#### Harness

#### Impact pad

Name: Type: Arrow ABS Name Impact pad: (1) Impact pad integrated: (1) Impact pad type:

Hakfo Yes Foam

Size: Weight of Sample [kg]:

4.22

Weight of Sample [kg]: (1) O Serial number: (1)

0.402 HAKFO2.0

Serial number: Clip-in weight [kg]: Arrow L-V8 120 Yes

Date of reception:

01.06.2021

Integrated container for

rescue system: Volume container [cm³]:

10'000 max

2'000 min

Date of reception:

23.09.2020

# Test report summary

#### Structual test

# Impact pad test

Result Place Date

POSITIVE Villeneuve 22.10.2020 POSITIVE Villeneuve 01.06.2021

#### Issue data

Place of declaration:

Date of issue:

Villeneuve 15.07.2021

Managing Director:

Signature:

Andrea Wigger

This signature approve the validity of the test reports if available; no. 94.21 (test id 02, 03, 13, 09, 04, 14, 07) and no. 94.22 (test id: P, PR)

Air Turquoise SA, having thoroughly assessed the sample mentioned above, declare it was found conform with all requirements defined by the following norms:

Airworthiness Requirements LTF NfL II 91/09 - EN12491:2015 5.3.2

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above.

This inspection certificate contain the following test and is complet with the test, if available, report: 94.21 and 94.22

<sup>(1)</sup> If Impact pad is NOT integrated in the harness, it will have independently Inspection number, and serial number. Definition of integrated impact pad is impact pad which can not be dismounted from the harness, e.g. airbag.

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



# **Harness inspection certificate - EN**

Inspection certificate number:

PH\_317.2020

Impact pad number:

MISC 192.2021

#### Manufacturer data

Manufacturer name:

Niviuk Gliders

Representative: Street:

**Dominique Cizeau** C. Del Ter, 6-Nave D

Post code / place:

17165 La Cellera de Ter Girona

Country:

Spain

	-	
Sam	nla	data.
Salli	DIE	data:

#### Harness

Impact pad

Name:

Arrow

Name Impact pad: (1)

Hakfo

Type: Size:

ABS L

Impact pad integrated: (1) Impact pad type:

Yes Foam

Weight of Sample [kg]:

4.22

Weight of Sample [kg]: (1)

0.402

Serial number:

Arrow L-V8

Serial number: (1)

HAKFO2.0

Clip-in weight [kg]: Integrated container for 120 Yes

Date of reception:

01.06.2021

rescue system:

10'000 max 2'000 min

Volume container [cm3]:

Date of reception:

23.09.2020

#### Test report summary

#### Structual test

Impact pad test

Result Place Date

POSITIVE Villeneuve 22.10.2020

**POSITIVE** Villeneuve 01.06.2021

### Issue data

Place of declaration:

Date of issue:

Managing Director:

Villeneuve 15.07.2021

Signature:

Andrea Wigger

"This inspection certificate is NOT covered by accreditation D-IS-19457-01."

This signature approve the validity of the test reports if available; no. 94.21b (test id 01,03,05,06,08,09,10,11,12,14,RRDT,RRST) and no. 94.22 (test id: P,PR) Air Turquoise SA, having thoroughly assessed the sample mentioned above, declare it was found conform with all requirements defined by the following norms:

European Standard EN1651:2018 and EN12491:2015

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place – as mentioned here above This inspection certificate contain the following test and is complet with the test, if available, report: 94.21 and 94.22

<sup>(1)</sup> If Impact pad is NOT integrated in the harness, it will have independently Inspection number, and serial number. Definition of integrated impact pad is impact pad which can not be dismounted from the harness, e.g. airbag.



Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC





# EU Type Examination Certificate

Date: 2024/05/10 n. 1079241901/OE Validity: 2029/05/09

The hereunder described items of Personal Protective Equipment have overcome positively the "EU type examination" (Module B), proving their conformity to the safety and health requirements of the Regulation (EU) 2016/425 (Annex II)

Manufacturer: (Responsible of the PPE)	AIR GAMES SL Carrer del Ter 6-Nave D, La Cellera de Ter, Girona – SPAIN			
Type of PPE:	Impact pad for paragliding harness			
Category of PPE:	II: "medium" risks.  This certificate is based on reference standards listed below: its validity is no longer ensured should new version of the standards come into force.			
Model	"HAKFO"			

Description:

Foam impact protector to be fitted into paragliding harness. This impact protector is removable, and therefore it can be detached from the harness.



The complete material description and construction of this impact protector can be found in the Technical File of reference.

This impact protector is associated with the reference paragliding harnesses:

- ARROW
- HAWK

See pictures on page 3.

Technical Standard:	EN 1651:2018+A1:2020	Paragliding equipment – Harnesses – Safety requirements and strength tests	
Intended use:	reduce the compression damage to the spine of the pilot in case of wrong landi paragliding activities.		
Size range:	from S to XL		
Technical File:	DC-17355		

AIR-TURQUOISE SA n° MISC\_192.2021 rev.01 Test report:





#### PRD Nº 0230 B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC Mutual Recognition Agreements





# **EU Type Examination Certificate**

Date: 2024/05/10 n. **1079241901/OE** Validity: 2029/05/09

# Functions and performance levels:

Prevent injuries caused by impacts that may occur in paragliding activities, by absorbing the impact energy to the body of the pilot.

The protector passed the impact testing performed with a test dummy (min. 50 Kg) lifted up to a minimum height of 165cm (measured from the impact surface to the lowest point of the dummy).

#### Requirements:

- maximum peak value: 50 g;
- at value of 38 g: maximum duration of 7 ms;
- at value of 20 g: maximum duration of 25 ms.

### Marking:

on a stitched label displaying the following information:

- CE Marking;
- registered trademark and web site of the Manufacturer;
- item designation of the PPE;
- nr. and year of the European Standard of reference;
- size indication;
- date of manufacture;
- test reference number;
- notice inviting the user to read the user manual;
- notice for removable impact pads as set out by the Standard;
- additional info: name/address of the test house and "Made in...".

HAKFO		Date of manufacture	
		Size	
Niviuk Impact Pad			
Test ref. number MISC_192.2021 rev. 01 / EN 1651:2018 + A1:2020		Inspected by	
Read manual before use			
The impact damping characteristics of impact through ageing. Periodically check the impaccordance with the manufacturer's instru	pact pad's function and o		
Testing laboratory Air Turquoise SA Rte du Pré-au-Compte 8   CH - 1844 Villeneuve		<b>∕</b> IIVIUK	
MADE IN VIETNAM	www.niviuk.com		







#### PRD N° 0230 E

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC Signatory of EA, IAF and ILAC Mutual Recognition Agreements





# EU Type Examination Certificate

Date: 2024/05/10 n. **1079241901/OE** Validity: 2029/05/09

### Reference paragliding harnesses:

ARROW





**HAWK** 

NOTE: the Technical File contains a more detailed description of the PPE (material, method of assembly, photographs or drawings), performance data, safety functions and level of protection, elements of conformity to the basic and supplementary requirements.

The Technical File is integral part of the present Certification, which has to be kept available by the applicant to be forwarded - upon request - to the entitled person (supervising body, Controlling Officer).

