



Paragliding Harness - EN

Inspection number : **PH_407.2023**
Manufacturer : **Niviuk Gliders**
Model and size : **Arrow P M**
Maximum pilot weight [kg] : **120**
Integrated container for rescue system: **Yes**
If Yes. Volume of the container [cm³] : **4000 min 6000 max**
Serial number: _____
Production date (year / month) : _____

Harness protector (impact pad)

Impact pad type: **Foam**
Impact pad integrated: **No**
Impact pad number: **MISC_255.2023**
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 standards: **EN1651:2018+A1:2020** and **EN12491:2015+A1:2021**. This model corresponds with the tested sample and its airworthiness.

Miscellaneous Impact Pad Report

Inspection certificate number: **MISC_255.2023**

Manufacturer data:

Manufacturer name: **Niviuk Gliders**
 Representative: **Dominique Cizeau**
 Street: **C. Del Ter, 6-Nave D**
 Post code place: **17165 La Cellera de Ter Girona**
 Country: **Spain**

Harness model: **Arrow P and Arrow P R**

Sample data:

Name impact pad: **ARRFO P**
 Emergency parachute integrated: **Yes**
 Impact pad type: **Foam**
 Weight of sample [kg]: **0.32**
 Serial number: **ARROWPMV6**
 Date of test: **06.06.2023**

Atmosphere AGL:

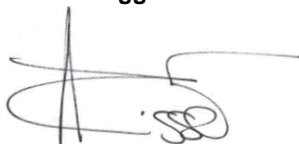
Temp. [C°]	22
R.H. [%]	47
Press. [hPa]	1005

Summary of Impact pad test ⁽¹⁾

Test id	–	Test configuration ⁽²⁾	Max Peak of Impact [g] ⁽³⁾	Duration at 38 [g] in [ms] ⁽⁴⁾	Duration at 20 [g] in [ms] ⁽⁵⁾	Diff. of test 1 and 2 [%] ⁽⁶⁾	Result
P	V	Test sample attached to dummy in flying position, without emergency parachute	43.57	6.67	17.50	4.45	POSITIVE
PR	V	Test sample attached to dummy in flying position, Including emergency parachute	45.38	6.67	17.50	10.06	POSITIVE

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **06.06.2023**
 Managing director: **Andrea Wigger**
 Signature:



Manufacturer	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	23.01.2024
JDC elec	Geos n°11 Skywatch	Geos n°11	Unit11	18.06.2025

This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of emergency parachute container mentioned above and certifies its conformity with the following standards:
EN 1651:2018+A1:2020⁽⁷⁾, NfL 2-565-20

⁽¹⁾ Calculated value in tests reports include the value minus the uncertainty (on safe side) / The uncertainty stated is the expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k = 2. The value of the measurand lies within the assigned range of values with a probability of 95%.

⁽²⁾ The dummy is lifted minimum up to 1.65 m, and impact pad is mounted on. Where the impact occurs, measure distance from bottom of impact pad to ground.

⁽³⁾ Maximum peak of impact should be less or equal to 50 [g], ⁽⁴⁾ If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms], ⁽⁵⁾ If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. ⁽⁶⁾ The test should be done twice, and the 2nd test the maximum peak should not differ more than 20% from the first test, maximum peak.

⁽⁷⁾ This standards is NOT covered by accreditation D-IS-19457-01

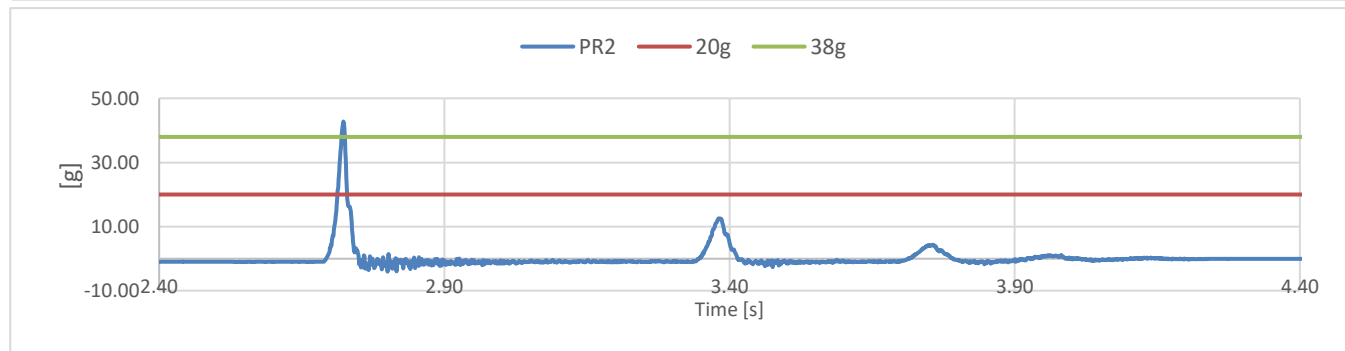
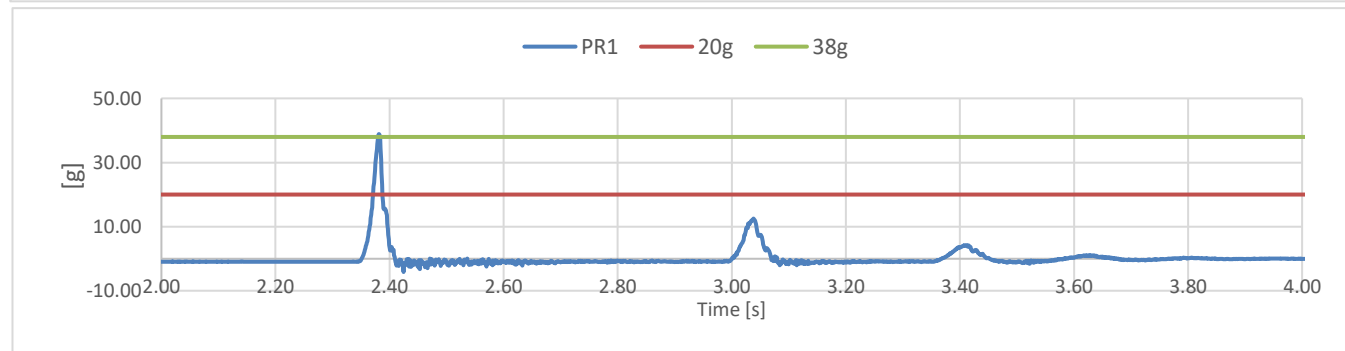
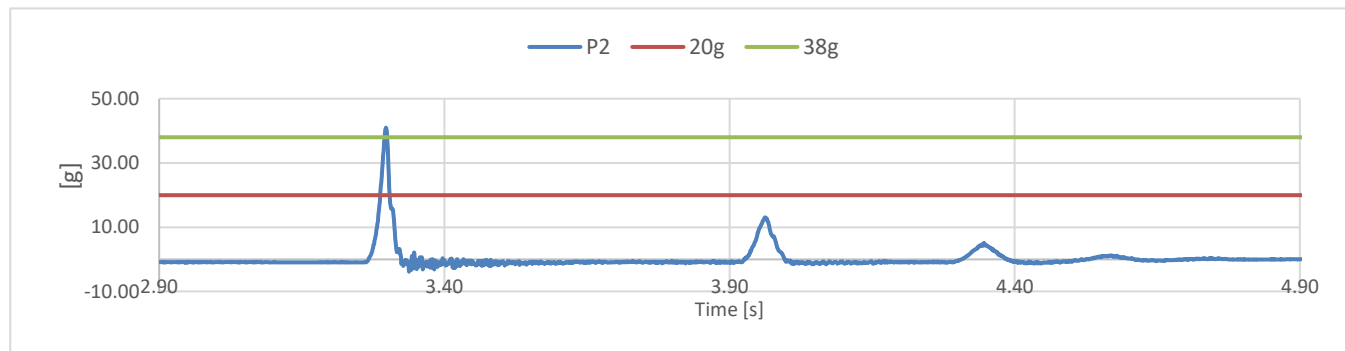
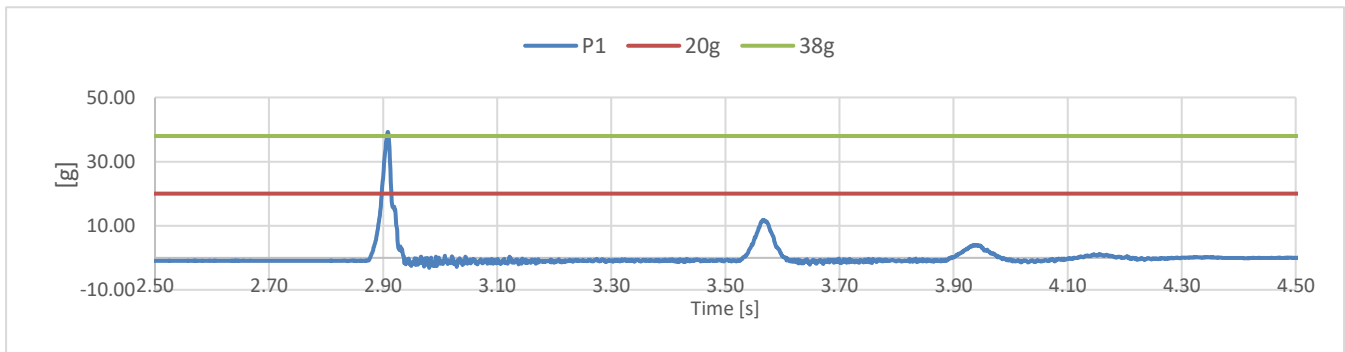
The declaration must not be reproduced in part without the written permission of Air Turquoise SA

Inspection certificate number: **MISC_255.2023**

Name impact pad: **ARRFO P**

Test results of Impact pad test

	without emergency parachute		including emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	41.71	43.57	41.23	45.38
Impact duration at +38 [g] in [ms]	5.83	6.67	5.83	6.67
Impact duration at +20 [g] in [ms]	17.50	17.50	17.50	17.50
Uncertainty k=2[g]	2.40	2.51	2.37	2.61
Diff. between test 1 and 2 [%]	100.00	104.45	100.00	110.06





EU Type Examination Certificate

Date: 2024/06/20

n. **1079242501/OE**

Validity: 2029/06/19

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	"ARRFO P"	
Description:	<p>Foam impact protector to be fitted into paragliding harness. This impact protector is removable, and therefore it can be detached from the harness.</p> <p>The complete material description and construction of this impact protector can be found in the Technical File of reference.</p> <p>This impact protector is associated with the reference paragliding harnesses:</p> <ul style="list-style-type: none"> ▪ ARROW P ▪ ARROW P R <p>See pictures on page 3.</p>	
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 landing in paragliding activities.	
Size range:	from S to L	
Technical File:	DC-17353	
Test report:	AIR-TURQUOISE SA n° MISC_255.2023	





EU Type Examination Certificate

Date: 2024/06/20

n. **1079242501/OE**

Validity: 2029/06/19

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..."

<h2>ARRFO P</h2>	Date of manufacture
	Size
Niviuk Impact Pad	
Impact pad ref. number MISC_255.2023 EN 1651:2018+A1:2020 / NfL 2-565-20	Read manual before use
The impact damping characteristics of impact pads degrade through use and through ageing. Periodically check the impact pad's function and condition in accordance with the manufacturer's instructions.	
Testing laboratory Air Turquoise SA Rte du Pré-au-Compte 8 CH - 1844 Villeneuve	
MADE IN VIETNAM	
www.niviuk.com	





EU Type Examination Certificate

Date: 2024/06/20

n. **1079242501/OE**

Validity: 2029/06/19

Reference paragliding harnesses:

ARROW P



ARROW P R



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).





EU Type Examination Certificate

Date: 2024/08/01

n. **1079243102/OE**

Validity: 2029/07/31

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	"APAIR"	
Description:	<p>Inflatable impact protector to be fitted into paragliding harness. This impact protector is removable, and therefore it can be detached from the harness.</p> <p>The complete material description and construction, as well as the functioning information, can be found in the Technical File of reference.</p> <p>This impact protector is associated with the reference paragliding harnesses:</p> <ul style="list-style-type: none"> ▪ ARROW P ▪ ARROW P R <p>See pictures on page 3.</p>	
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 landing in paragliding activities.	
Size range:	from S to L	
Technical File:	DC-18913	
Test report:	AIR-TURQUOISE SA n° MISC_272.2023	





EU Type Examination Certificate

Date: 2024/08/01

n. **1079243102/OE**

Validity: 2029/07/31

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...".

APAIR <small>SERIES</small>	Date of manufacture
	Size
Niviuk Impact Pad	
Impact pad ref. number MISC_272.2023 EN 1651:2018+A1:2020 / NFL 2-565-20	Read manual before use _____ Inspected by _____
<small>The impact damping characteristics of impact pads degrade through use and through ageing. Periodically check the impact pad's function and condition in accordance with the manufacturer's instructions.</small>	
Testing laboratory Air Turquoise SA Rte du Pré-au-Compte 8 CH - 1844 Villeneuve	
MADE IN VIETNAM	
www.niviuk.com	

Front side:



Back side:





EU Type Examination Certificate

Date: 2024/08/01

n. **1079243102/OE**

Validity: 2029/07/31

Reference paragliding harnesses:

ARROW P



ARROW P R



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).

