



Harness inspection certificate - EN

Inspection certificate number: **PH_442.2024**

Impact pad number: **PH_442.2024**


Manufacturer data

Manufacturer name: **Apco Aviation Ltd**
 Representative: **Mr. Cohn Jonathan**
 Street: **Chalamish 7, Caesarea Industrial park**
 Post code / place: **3088900 Caesarea**
 Country: **Israel**

Sample data:	Harness	Impact pad
Name:	Goal	Name Impact pad: ⁽¹⁾ n/a
Type:	ABS	Impact pad integrated: ⁽¹⁾ No
Size:	S/M	Impact pad type: Foam
Weight of Sample [kg]:	3.15	Weight of Sample [kg]: ⁽¹⁾ 0.76
Serial number:	23184	Serial number: ⁽¹⁾ 23183
Clip-in weight [kg]:	120	
Integrated container for rescue system:	Yes	Date of reception: 04.03.2024
Volume container [cm ³]:	5000 max 2200 min	
Date of reception:	17.01.2024	

Test report summary	Structural test	Impact pad test
Result	POSITIVE	POSITIVE
Place	Villeneuve	Villeneuve
Date	17.01.2024	05.03.2024

Issue data

Place of declaration: Villeneuve
Date of issue: 22.05.2024
Managing Director: Andrea Wigger
Signature: 



This signature approve the validity of the test reports 94.21b and 94.22 (only if test reports are applicable)

Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

EN1651:2018+A1:2020⁽²⁾ and EN12491:2015+A1:2021⁽²⁾

(1) 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 dismantled from the harness, e.g. airbag

⁽²⁾ These standards are NOT covered by accreditation D-IS-19457-01

The certificate of inspection is completed with test reports, if available, number: 94.21b and 94.22
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Harness inspection certificate - NfL

Inspection certificate number: PH_442.2024

Impact pad number: **PH_442.2024**

Manufacturer data

Manufacturer name: **Apco Aviation Ltd**
 Representative: **Mr. Cohn Jonathan**
 Street: **Chalamish 7, Caesarea Industrial park**
 Post code / place: **3088900 Caesarea**
 Country: **[Israel]**

Sample data:

Harness

Impact pad

Name:	Goal	
Type:	ABS	
Size:	S/M	
Weight of Sample [kg]:	3.15	
Serial number:	23184	
Clip-in weight [kg]:	120	
Integrated container for rescue system:	Yes	
Volume container [cm ³]:		5000 max 2200 min
Date of reception:	17.01.2024	

Name Impact pad: ⁽¹⁾	n/a
Impact pad integrated: ⁽¹⁾	No
Impact pad type:	Foam
Weight of Sample [kg]: ⁽¹⁾	0.76
Serial number: ⁽¹⁾	23183
Date of reception: 04.03.2024	

Test report summary


Structural test

Impact pad test

Result	POSITIVE
Place	Villeneuve
Date	17.01.2024

POSITIVE
Villeneuve
05.03.2024

Issue data

Place of declaration: Villeneuve
Date of issue: 22.05.2024
Managing Director: Andrea Wigger
Signature: 



This signature approve the validity of the test reports 94.21a and 94.22 (only if test reports are applicable)

Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:

NFL 2-565-20, EN12491:2015 and EN1651:1999

⁽¹⁾ 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 dismantled from the harness, e.g. airbag. ⁽²⁾ If harness has an integrated inner container for emergency parachute, extra deployment tests are done.

The certificate of inspection is completed with test reports, if available, number: 94.21a and 94.22

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Harness Impact Pad Report

Inspection certificate number: **PH_442.2024****Manufacturer data:**

Manufacturer name: **Apco Aviation Ltd**
Representative: **Mr. Cohn Jonathan**
Street: **Chalamish 7, Caesarea Industrial park**
Post code place: **3088900 Caesarea**
Country: **Israel**

Harness model: **Goal**

Sample data:

Name impact pad: **n/a**
Impact pad integrated: **No**
Impact pad type: **Foam**
Weight of sample [kg]: **0.76**
Serial number: **23183**
Date of test: **05.03.2024**

Atmosphere AGL:

Temp. [C°]	22
R.H. [%]	39
Press. [hPa]	1004

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	✓	Test sample attached to dummy in flying position, without emergency parachute	44.58	6.67	18.33	10.79	POSITIVE
PR	✓	Test sample attached to dummy in flying position, Including emergency parachute	42.58	6.67	18.33	2.44	POSITIVE

Manufacturer	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	23.08.2028
JDC elec	Geos n°11 Skywatch	Geos n°11	Unit11	18.06.2025

The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20a or 94.20b

Air Turquoise SA, has thoroughly tested the sample mentioned above and certifies its conformity with the following standards:**NfL 2-565-20 and EN1651:2018+A1:2020⁽⁷⁾**

⁽¹⁾ Calculated values 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 standard is NOT covered by accreditation D-IS-19457-01

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Inspection certificate number: **PH_442.2024**

Name impact pad: **n/a**

Test results of Impact pad test

	without emergency parachute		including emergency parachute	
	P1	P2	PR1	PR2
Maximum peak of impact [g]	40.24	44.58	41.57	42.58
Impact duration at +38 [g] in [ms]	5.00	6.67	5.83	6.67
Impact duration at +20 [g] in [ms]	18.33	17.50	18.33	17.50
Uncertainty k=2 [g]	1.69	1.87	1.74	1.78
Diff. between test 1 and 2 [%]	100.00	110.79	100.00	102.44



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Test laboratory for paragliders, paraglider harnesses
and paraglider reserve parachutes



Paragliding Harness - EN

Inspection number : **PH_442.2024**
Manufacturer : **Apco Aviation Ltd**
Model and size : **Goal S/M**
Maximum pilot weight [kg] : **120**
Integrated container for rescue system: **Yes**
If Yes. Volume of the container [cm³] : **2200 min 5000 max**
Serial number: _____
Production date (year / month) : _____

Harness protector (impact pad)

Impact pad type: **Foam**
Impact pad integrated: **No**
Impact pad number: **PH_442.2024**
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.

Rev 03 | 04.03.2022 | ISO 94.23b

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Test laboratory for paragliders, paraglider harnesses
and paraglider reserve parachutes



Paragliding Harness - NfL

Inspection number: **PH_442.2024**
Manufacturer: **Apco Aviation Ltd**
Model and size: **Goal S/M**
Maximum pilot weight [kg]: **120**
Integrated container for rescue system: **Yes**
If Yes. Volume of the container [cm³]: **2200 min 5000 max**
Serial number: _____
Production date (year / month): _____

Harness protector (impact pad)

Impact pad type: **Foam**
Impact pad integrated: **No**
Impact pad number: **PH_442.2024**
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: **NfL 2-565-20, EN12491:2015 and EN1651:1999**. This model corresponds with the tested sample and its airworthiness.

Rev 05 | 04.03.2022 | ISO 94.23a