



# Harness inspection certificate

Inspection certificate number: **PH\_256.2018**

Impact pad number: **PH\_256.2018**

## Manufacturer data

Manufacturer name: **Advance Thun AG**  
 Representative: **Rolf Zeltner**  
 Street: **Uttigenstrasse 87**  
 Post code / place: **3600 Thun**  
 Country: **Switzerland**

## Sample data:

### Harness

### Impact pad

Name:	<b>Easiness 3</b>	Name Impact pad: <sup>(1)</sup>	<b>n/a</b>
Type:	<b>ABS</b>	Impact pad integrated: <sup>(1)</sup>	<b>Yes</b>
Size:	<b>M</b>	Impact pad type:	<b>Airbag</b>
Weight of Sample [kg]:	<b>2.24</b>	Weight of Sample [kg]: <sup>(1)</sup>	<b>n/a</b>
Serial number:	<b>1148769</b>	Serial number: <sup>(1)</sup>	<b>n/a</b>
Clip-in weight [kg]:	<b>120</b>	Date of reception:	<b>19.12.2018</b>
Integrated container for rescue system:	<b>Yes</b>		
Volume container [cm <sup>3</sup> ]:			<b>5000 max</b> <b>2500 min</b>
Date of reception:	<b>19.12.2018</b>		


## Test report summary

### Structual test

### Impact pad test

Result	<b>POSITIVE</b>	<b>POSITIVE</b>
Place	<b>Villeneuve</b>	<b>Villeneuve</b>
Date	<b>19.12.2018</b>	<b>18.02.2019</b>

## Issue data

Place of declaration: **Villeneuve**  
 Date of issue: **29.04.2019**  
 Managing Director: **Alain Zoller**  
 Signature: 

This signature approve the validity of the test reports if available; no. 94.21 (test id R0,R2,R6,R8,R9,R10,RRDT,RRST) and no. 94.22 (test id: P1,P2,PR1,PR2) **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 :1999**, and **EN12491:2015 chapter 5.3.2** - Airworthiness Requirements **LTF NFL II 91/09 chapter 4.2.1, 5, 6.1.5 and 6.1.8**

<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.

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

## Harness Impact Pad Report

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 Post code place: **3600 Thun**  
 Country: **Switzerland**

Harness model: **Easiness 3**

### Sample data:

Name impact pad: **n/a**  
 Impact pad integrated: **Yes**  
 Impact pad type: **Airbag**  
 Serial number: **n/a**  
 Weight of sample [kg]: **n/a**  
 Date of test: **18.02.2019**

### Atmosphere AGL:

[C°]	<b>20.1</b>
RH [%]	<b>41</b>
[hPa]	<b>974.1</b>

### Summary of Impact pad test <sup>(1)</sup>

Test id		Test configuration <sup>(2)</sup>	Max Peak of Impact [g] <sup>(3)</sup>	Duration at 38 [g] in [ms] <sup>(4)</sup>	Duration at 20 [g] in [ms] <sup>(5)</sup>	Diff. of test 1 and 2 [%] <sup>(6)</sup>	Result
P	V	Test sample attached to dummy in flying position, without emergency parachute	<b>29.16</b>	<b>0.00</b>	<b>17.50</b>	<b>-5.50</b>	<b>POSITIVE</b>
PR	V	Test sample attached to dummy in flying position, Include emergency parachute	<b>29.16</b>	<b>0.00</b>	<b>17.50</b>	<b>-1.60</b>	<b>POSITIVE</b>

Manufacture	Instrument	Type no	S/N	Validity Calibration
Burster/MTS	Accelerometer 100 g	89010-100	1263567	04.08.2020
JDC elec	Geos n°11 Skywatch	Geos n°11	22	08.05.2019

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

<sup>(1)</sup> 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%.

<sup>(2)</sup> 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.

<sup>(3)</sup> Maximum peak of impact should be less or equal to 50 [g], <sup>(4)</sup> If any, the maximum duration in at 38 [g] should be less or equal to 7 [ms], <sup>(5)</sup> If any, the maximum duration in at 20 [g] should be less or equal to 25 [ms]. <sup>(6)</sup> 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.

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