

Miscellaneous Impact Pad Report

Inspection certificate number: **MISC_258.2023**

Manufacturer data:

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code place: **73911 Frydlant n.O.**
 Country: **Czech Republic**
 Harness model: **Skylighter 4 and Gii 5 Alpha**

Sample data:

Name impact pad: **Sky BlowBag**
 Emergency parachute integrated: **No**
 Impact pad type: **Inflatable**
 Weight of sample [kg]: **0.41**
 Serial number: **000222**
 Date of test: **05.07.2023**


Atmosphere AGL:

Temp. [C°]	24
R.H. [%]	48
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	✓	Test sample attached to dummy in flying position, without emergency parachute	39.45	2.50	16.67	1.23	POSITIVE
PR	✓	Test sample attached to dummy in flying position, Including emergency parachute	40.89	5.00	22.50	4.79	POSITIVE

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **12.07.2023**
 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

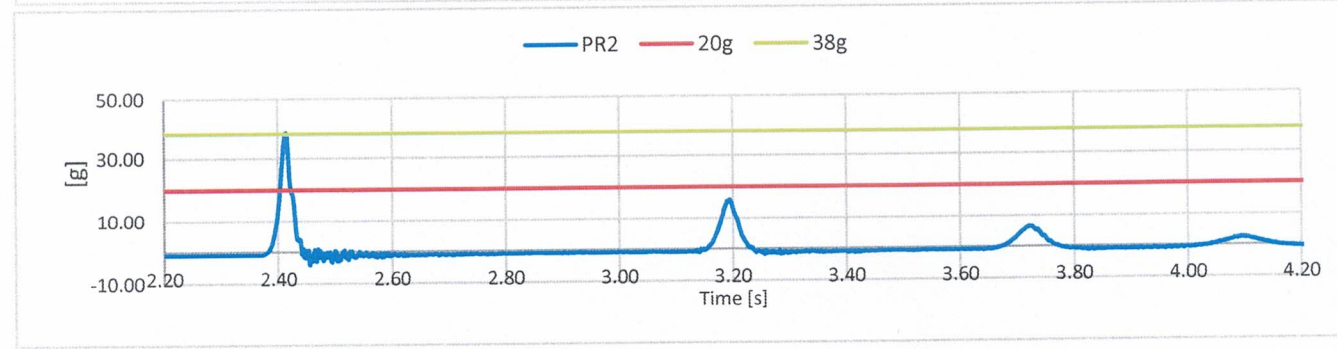
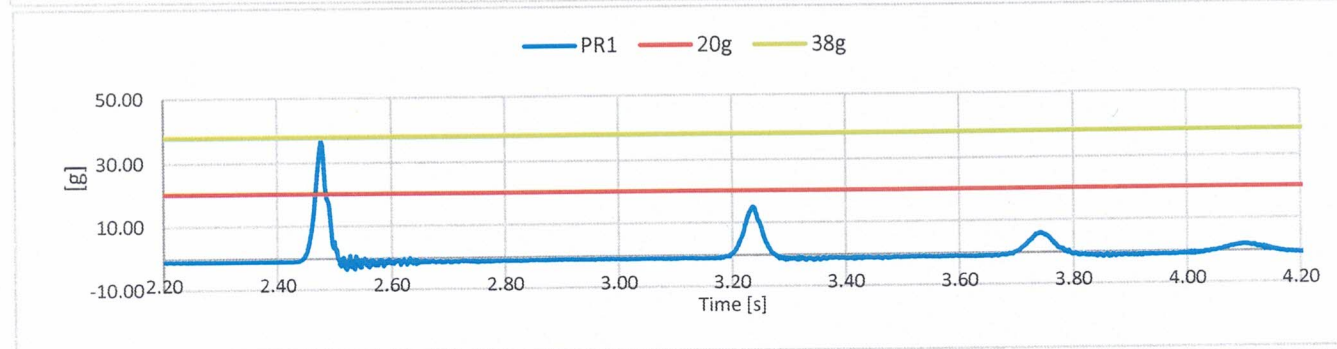
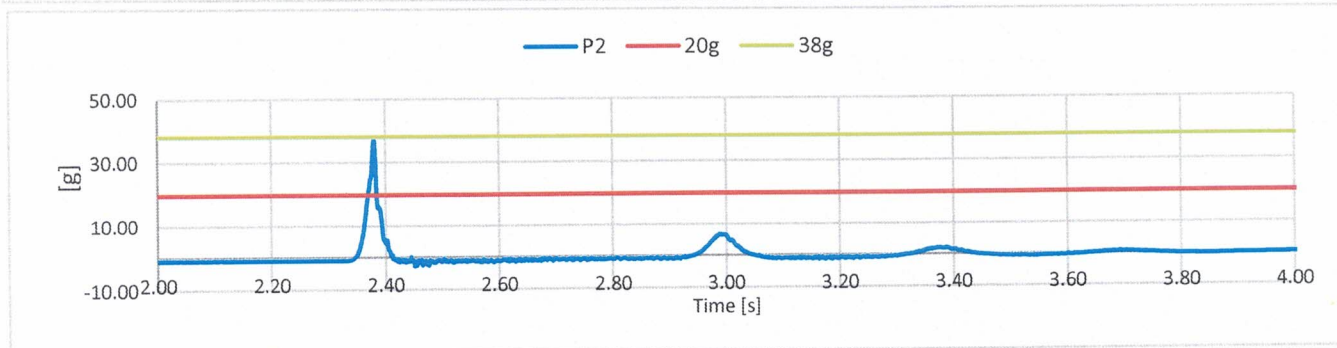
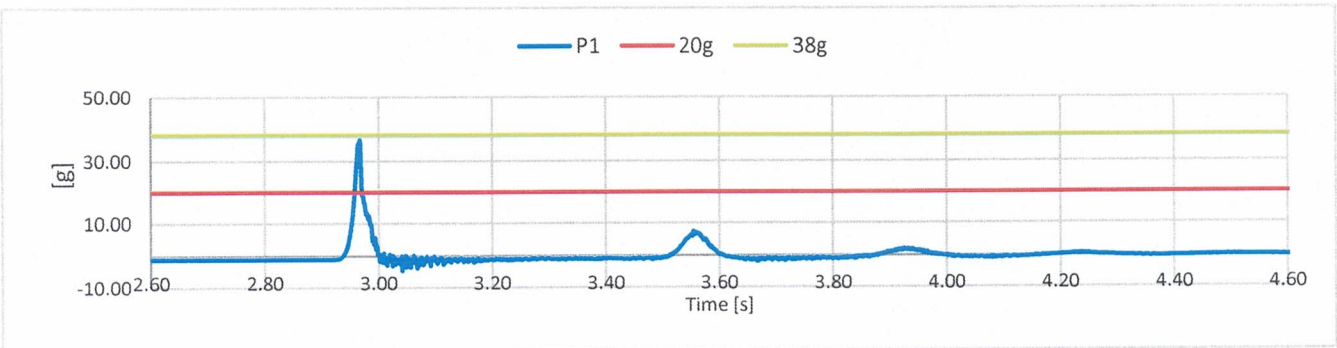
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Inspection certificate number: **MISC_258.2023**

Name impact pad: **Sky BlowBag**

Test results of Impact pad test

	without emergency parachute		including emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	38.97	39.45	39.03	40.89
Impact duration at +38 [g] in [ms]	1.67	2.50	3.33	5.00
Impact duration at +20 [g] in [ms]	15.00	16.67	20.00	22.50
Uncertainty k=2[g]	2.24	2.27	2.25	2.35
Diff. between test 1 and 2 [%]	100.00	101.23	100.00	104.79



Miscellaneous Impact Pad Report

Inspection certificate number: **MISC_262.2023**

Manufacturer data:

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code place: **73911 Frydlant n.O.**
 Country: **Czech Republic**

Harness model: **Gii 5 Alpha**

Sample data:

Name impact pad: **Sky Moussebag Mk. 1**
 Emergency parachute integrated: **Yes**
 Impact pad type: **Foam**
 Weight of sample [kg]: **0.64**
 Serial number: **2856-13-6112**
 Date of test: **10.08.2023**

Atmosphere AGL:


Temp. [C°]	23
R.H. [%]	47
Press. [hPa]	1009

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	36.25	0.00	15.83	-6.09	POSITIVE
PR	V	Test sample attached to dummy in flying position, Including emergency parachute	32.78	0.00	16.67	6.15	POSITIVE

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **04.09.2023**
 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

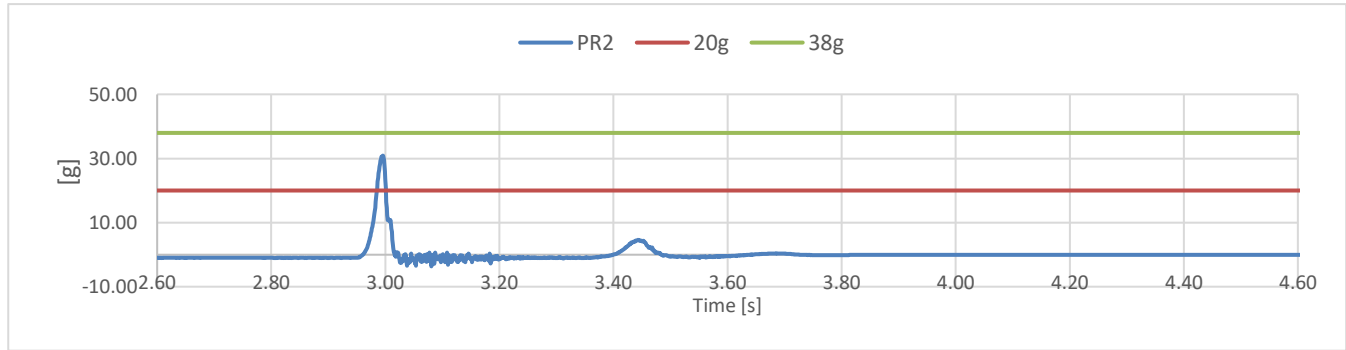
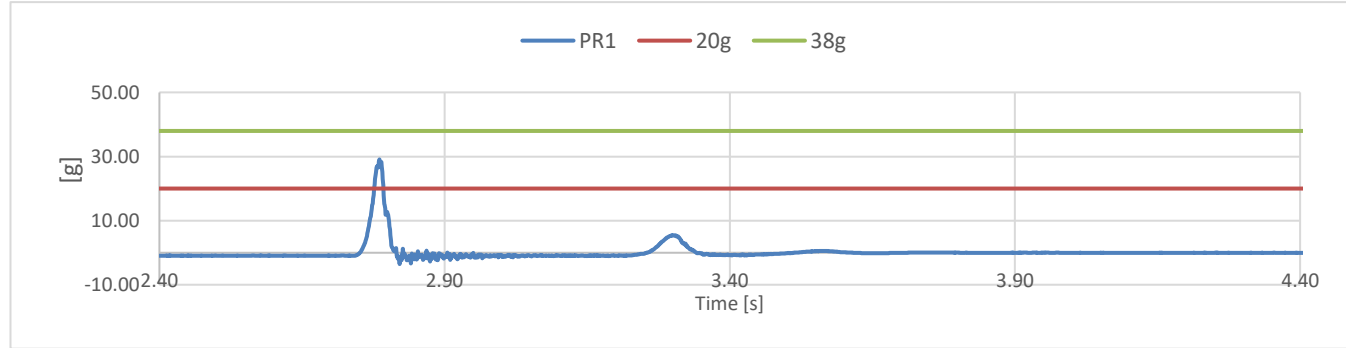
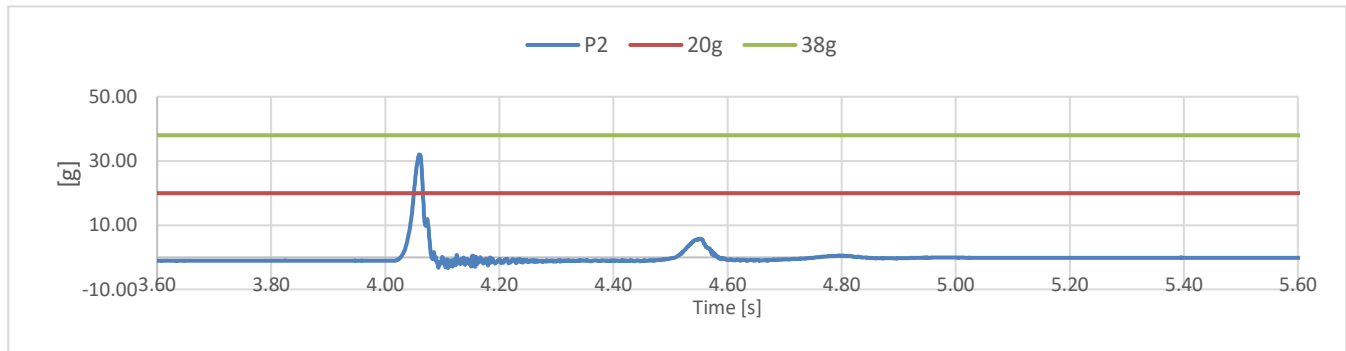
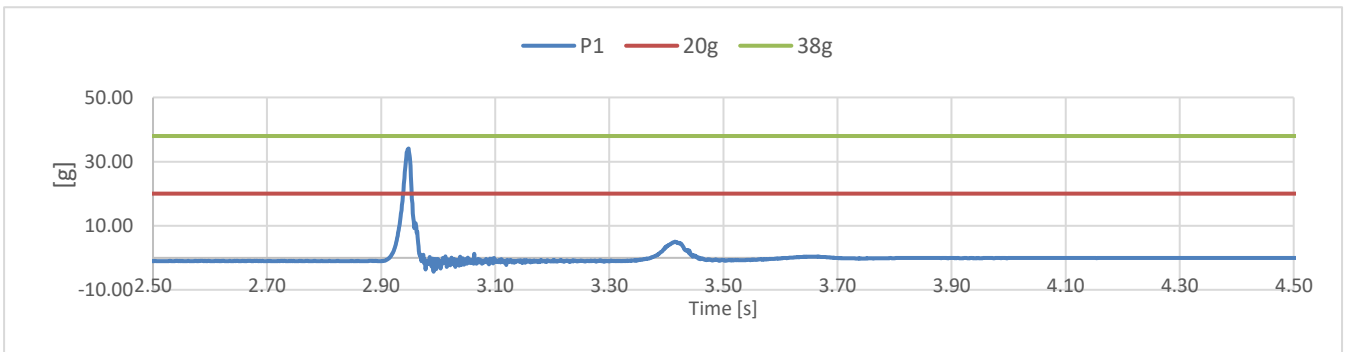
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Inspection certificate number: **MISC_262.2023**

Name impact pad: **Sky Moussebag Mk. 1**

Test results of Impact pad test

	without emergency parachute		including emergency parachute	
	P1	P2	PR1	PR2
Maximum Peak of impact [g]	36.25	34.04	30.88	32.78
Impact duration at +38 [g] in [ms]	0.00	0.00	0.00	0.00
Impact duration at +20 [g] in [ms]	15.83	15.83	16.67	16.67
Uncertainty k=2[g]	2.09	1.96	1.78	1.89
Diff. between test 1 and 2 [%]	100.00	93.91	100.00	106.15



Harness inspection certificate - EN

Inspection certificate number: **PH_415.2023**Impact pad number: **MISC_262.2023**
MISC_258.2023

Manufacturer data

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code / place: **73911 Frydlant n.O.**
 Country: **Czech Republic**

Sample data:

Harness

Impact pad

Name:	Gii 5 Alpha	Name Impact pad: ⁽¹⁾	Sky Moussebag mk. 1
Type:	ABS	Impact pad integrated: ⁽¹⁾	Yes
Size:	L	Impact pad type:	Foam
Weight of Sample [kg]:	3.80	Weight of Sample [kg]: ⁽¹⁾	0.64
Serial number:	2856-13-6112	Serial number: ⁽¹⁾	2856-13-6112
Clip-in weight [kg]:	120	Date of reception:	10.08.2023
Integrated container for rescue system:	Yes		
Volume container [cm ³]:			
	6400 max		
	3200 min		
Date of reception:	27.06.2023		

Test report summary

Structural test

Impact pad test

Result	POSITIVE	POSITIVE
Place	Villeneuve	Villeneuve
Date	27.06.2023	10.08.2023

Issue data

Place of declaration: **Villeneuve**
 Date of issue: **18.10.2023**
 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 dismounted 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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Test laboratory for paragliders, paraglider harnesses
and paraglider reserve parachutes



Paragliding Harness - EN

Inspection number : **PH_415.2023**
Manufacturer : **Sky Paragliders a.s.**
Model and size : **Gii 5 Alpha L**
Maximum pilot weight [kg] : **120**
Integrated container for rescue system: **Yes**
If Yes. Volume of the container [cm³] : **3200 min 6400 max**
Serial number: _____
Production date (year / month) : _____

Harness protector (impact pad)

Impact pad type: **Foam**
Impact pad integrated: **Yes**
Impact pad number: **MISC_262.2023**
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.

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Paragliding Harness - NfL

Inspection number: **PH_415.2023**
Manufacturer: **Sky Paragliders a.s.**
Model and size: **Gii 5 Alpha L**
Maximum pilot weight [kg]: **120**
Integrated container for rescue system: **Yes**
If Yes. Volume of the container [cm³]: **3200 min 6400 max**
Serial number: _____
Production date (year / month): _____

Harness protector (impact pad)

Impact pad type: **Foam**
Impact pad integrated: **Yes**
Impact pad number: **MISC_262.2023**
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: **NfL 2-565-20, EN12491:2015 and EN1651:1999**. This model corresponds with the tested sample and its airworthiness.

Harness Structural test Report - EN

Inspection certificate number: **PH_415.2023**

Manufacturer data:

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code place: **73911 Frydlant n.O.**
 Country: **Czech Republic**

Sample data:

Name: **Gii 5 Alpha**
 Type: **ABS**
 Size: **L**
 Serial number: **2856-13-6112**
 Impact pad type: ⁽¹⁾ **Foam**
 Clip-in weight [kg]: **120**

 Date of test: **27.06.2023**

Atmosphere AGL:

[C°]	24
RH [%]	45
[hPa]	1009

Summary of Structural test

Test id	- EN 1651	Setup	Req. Load [g]	Req. Load [N]	Min. duration [s]	Result
01 ⁽³⁾	✓ 5.5.1.1	Positive symmetric load (Slippage)	4.5	5400	5	POSITIVE
03 ⁽³⁾	✓ 5.5.1.1b	Positive symmetric load	15	18000	5	POSITIVE
05	✓ 5.5.1.2	Positive asymmetric load	6	7200	5	POSITIVE
06	✓ 5.5.1.6	Negative asymmetric load	6	7200	5	POSITIVE
08 ⁽⁵⁾	✓ 5.5.1.9	Anti falling-out system	4.5	5400	5	POSITIVE
09 ⁽³⁾⁽⁴⁾	✓ 5.5.1.3	Positive symmetric load rescue points	15	18000	5	POSITIVE
10 ⁽³⁾⁽⁴⁾	5.5.1.4	Negative symmetric load rescue points	15	18000	5	n/a
11	5.5.1.8	Connecting element for rescue	n/a	24000	0.3	n/a
12 ⁽³⁾	✓ 5.5.1.7	Upright (landing) position load	6	7200	5	POSITIVE
14	5.5.1.5	Negative symmetric load towing points	5	6000	5	n/a

Rescue deployment test

Test id	- EN 1651	Setup	Min load [N]	Max. load [N]	Measured [N]	Result
RRDT	✓ 5.5.1.11	Default flying position	20	70	46.31	POSITIVE

Rescue Deployment Handle strength test

Test id	- EN 12491	Setup	Req. Load [N]	Min. duration [s]	Breaking strength [N]	Result
RRST	✓ 5.3.2	Two end points of handle	700	10	1017.20	POSITIVE

Manufacturer	Instrument	Type no	S/N	Validity
HBM	Load Sensor GE01	1-S9M/50KN-1	31314643	04.09.2023
Burster / MTS	Load sensor 10kN SL2	8431-6010-N000S000	593507	21.04.2026
JDC elec	Geos n°11 Skywatch	Geos n°11	Unit11	18.06.2025

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

EN1651:2018+A1:2020⁽⁶⁾ and EN12491:2015+A1:2021⁽⁶⁾

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

⁽¹⁾ If Impact pad available, see test report no. 94.22 and inspection certificate no. 94.20b. ⁽³⁾ Slipping test of any adjustable components: No slippage of any adjustable element more than 10 mm at 4500N for 5 s. The marks should be added with a pre-load of 1000N. ⁽⁴⁾ For harness with integrated Y bridle, test in the end loop ⁽⁵⁾ Attach to anti-falling out system without connecting the crotch straps (breast straps)

⁽⁶⁾ These standards are NOT covered by accreditation D-IS-19457-01

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%

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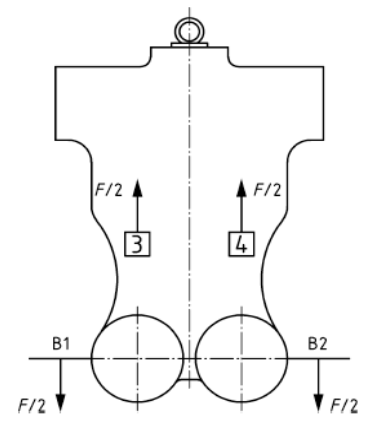
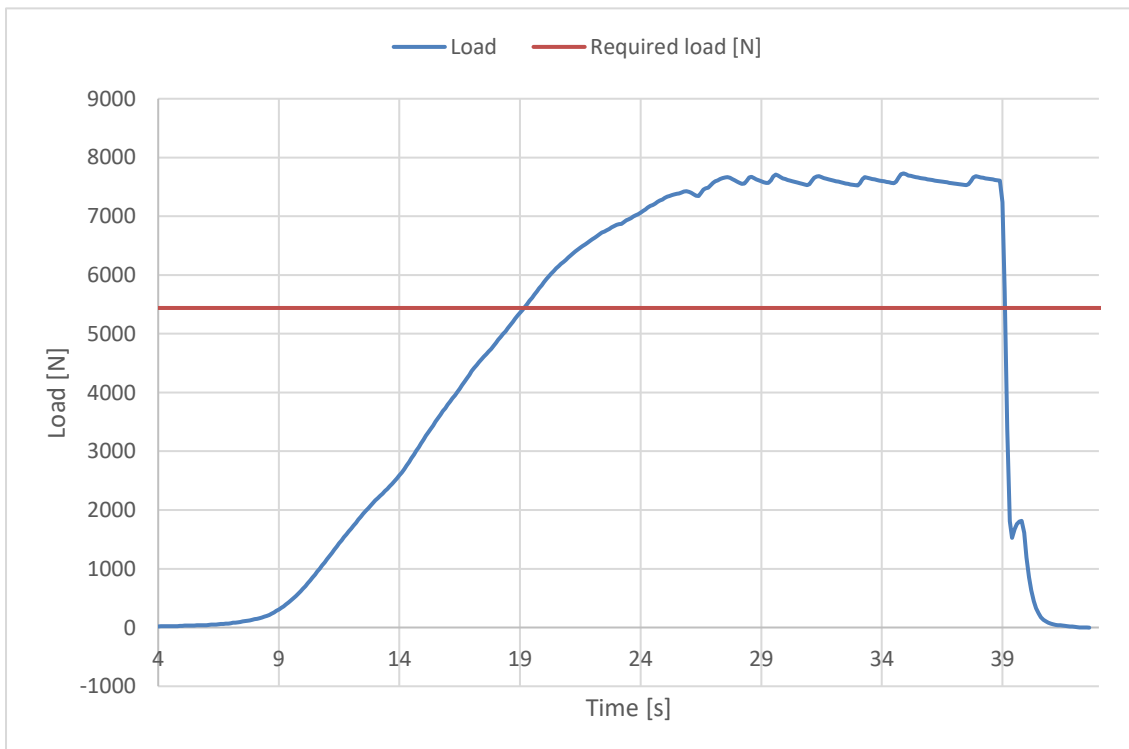
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 01

Standard	EN 1651
Reference in standard	5.5.1.1
Test setup	Positive symmetric load (Slippage)
Attachment points	Both main riser attachment (3,4)
Anchor points	Dummy (B1, B2)
Required load [g]	4.5
Required load [N]	5400
Minimum test duration [s]	5
Result	
Test duration [s]	20
Any signs of structural failure	No
Slippery test OK	Yes
Test results	POSITIVE

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

Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

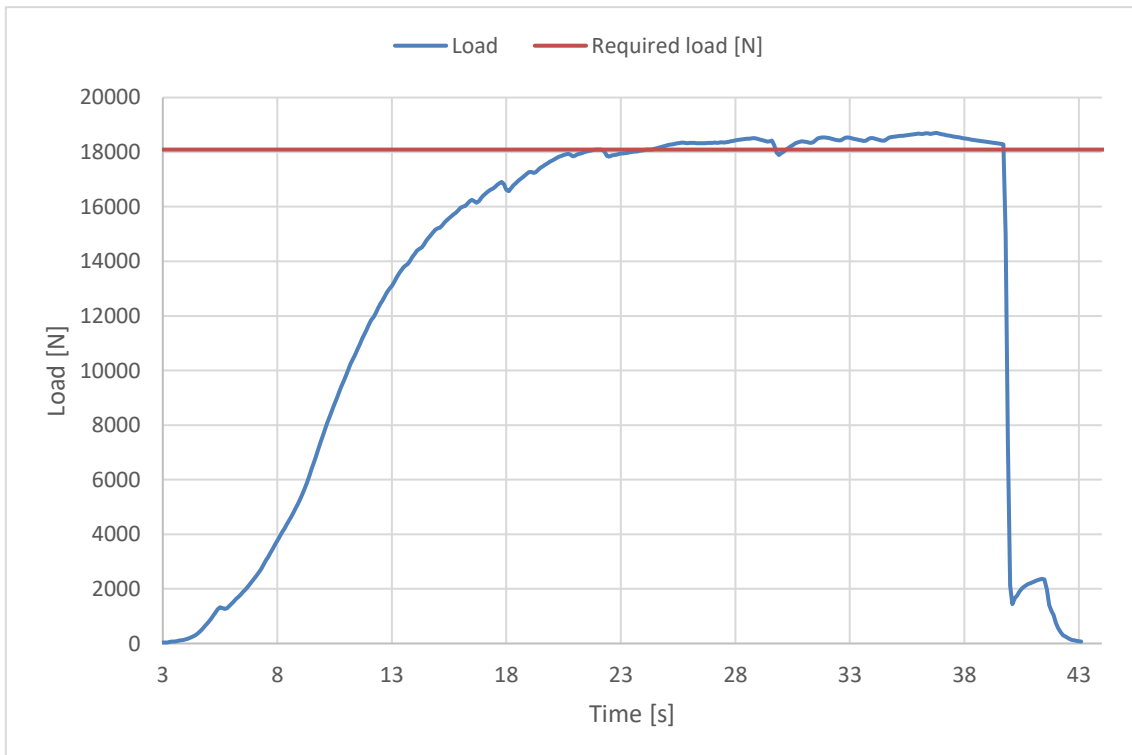
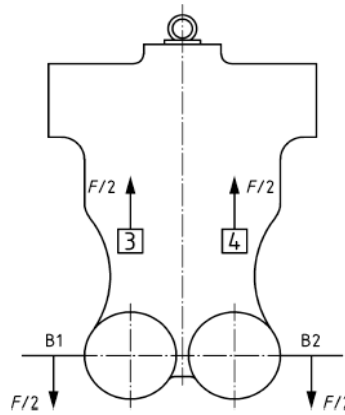
Test ID 03

Standard **EN 1651**
 Reference in standard **5.5.1.1b**
 Test setup **Positive symmetric load**
 Attachment points **Both main riser attachment (3,4)**
 Anchor points **Dummy (B1, B2)**

Required load [g] **15**
 Required load [N] **18000**
 Minimum test duration [s] **5**

Result

Test duration [s] **9.5**
 Any signs of structural failure **No**
 Slippery test OK **Yes**
 Test results **POSITIVE**



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

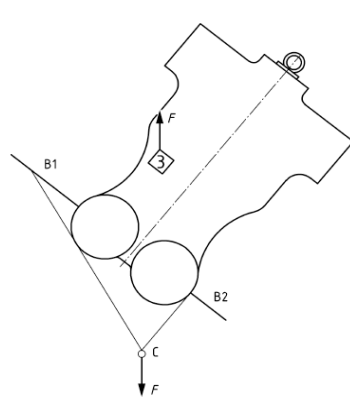
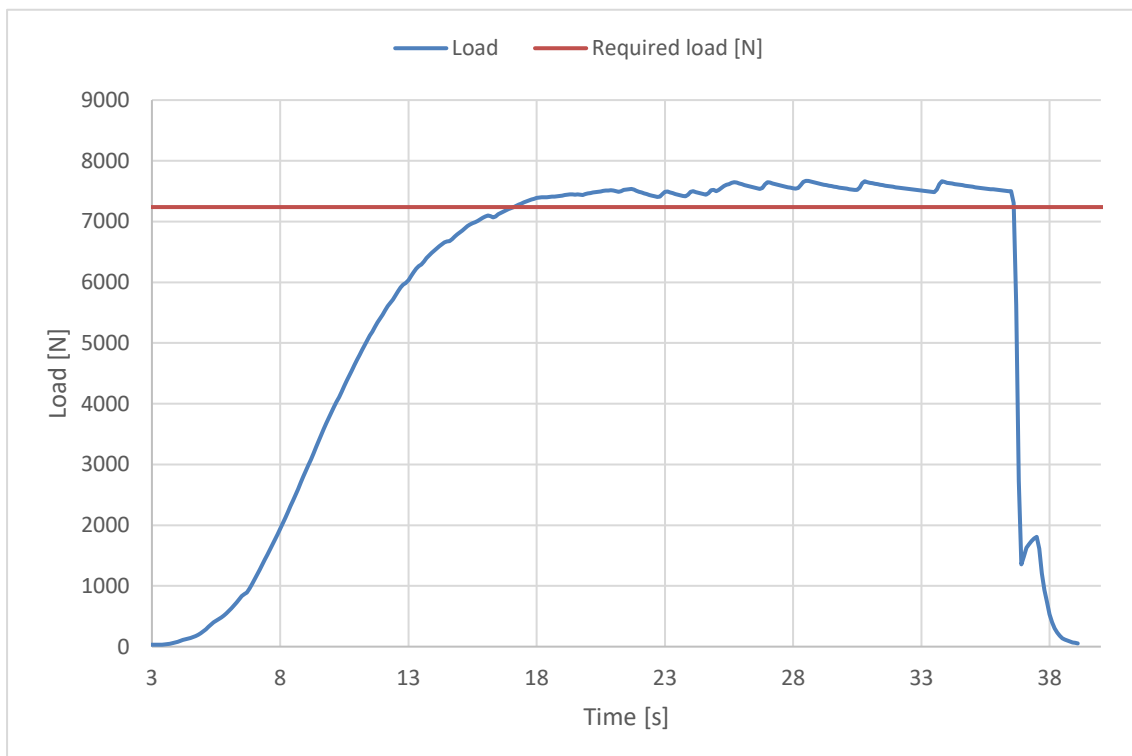
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 05

Standard	EN 1651
Reference in standard	5.5.1.2
Test setup	Positive asymmetric load
Attachment points	One riser attachment (3 or 4)
Anchor points	Dummy (C)
Required load [g]	6
Required load [N]	7200
Minimum test duration [s]	5
Result	
Test duration [s]	19.5
Any signs of structural failure	No
Test results	POSITIVE

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

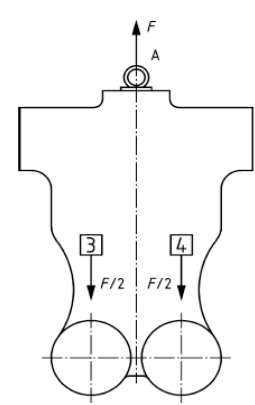
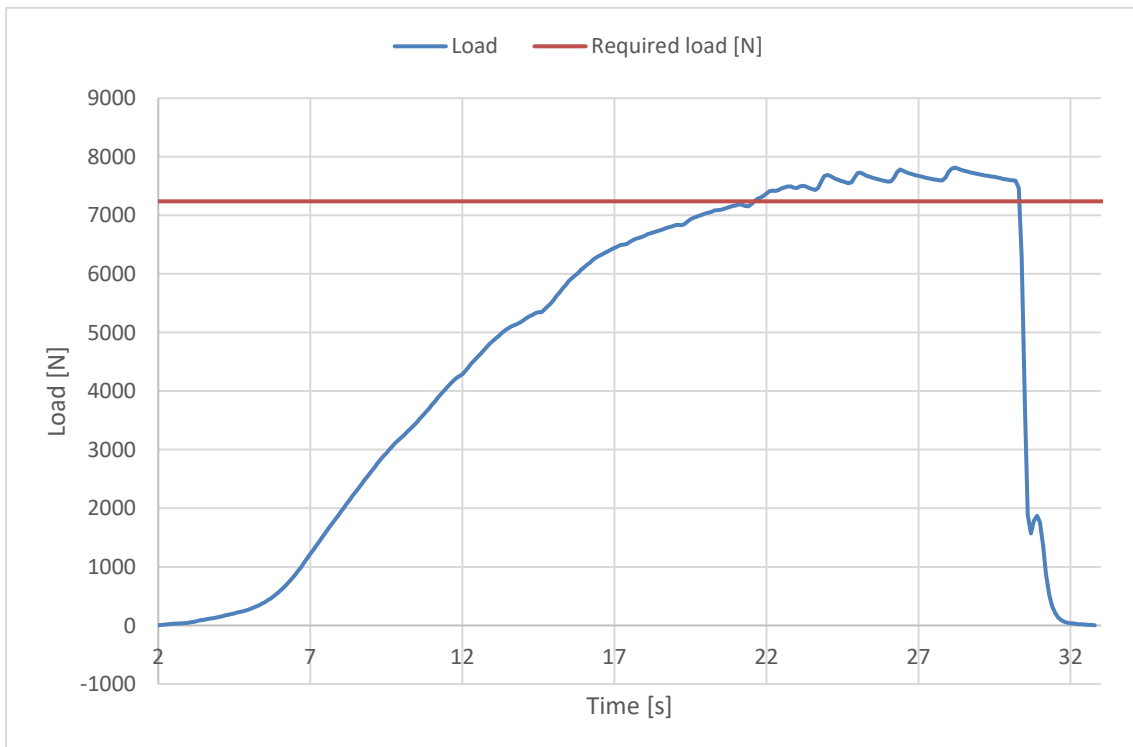
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 06

Standard	EN 1651
Reference in standard	5.5.1.6
Test setup	Negative symmetric load
Attachment points	Both main riser attachment (3,4)
Anchor points	Dummy (A)
Required load [g]	6
Required load [N]	7200
Minimum test duration [s]	5
Result	
Test duration [s]	8.7
Any signs of structural failure	No
Test results	POSITIVE

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

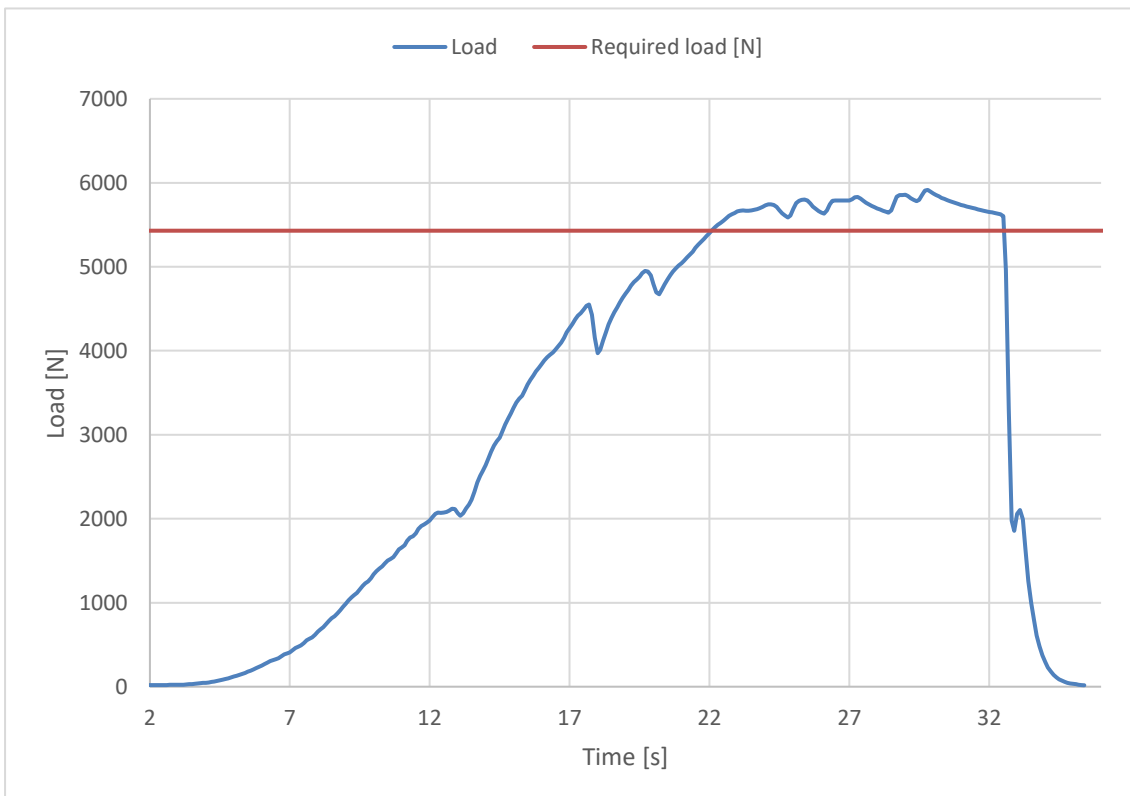
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 08

Standard	EN 1651
Reference in standard	5.5.1.9
Test setup	Anti falling-out system
Attachment points	Around anti falling-out system
Anchor points	Both main riser attachment (no dummy)
Required load [g]	4.5
Required load [N]	5400
Minimum test duration [s]	5
Result	
Test duration [s]	10.5
Any signs of structural failure	No
Test results	POSITIVE



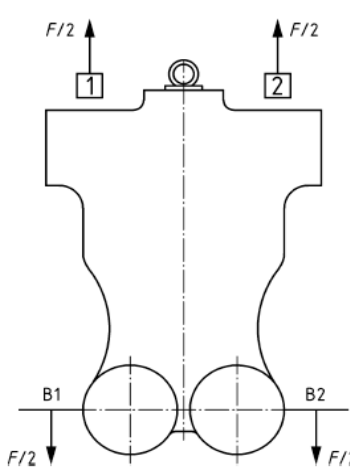
The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20b

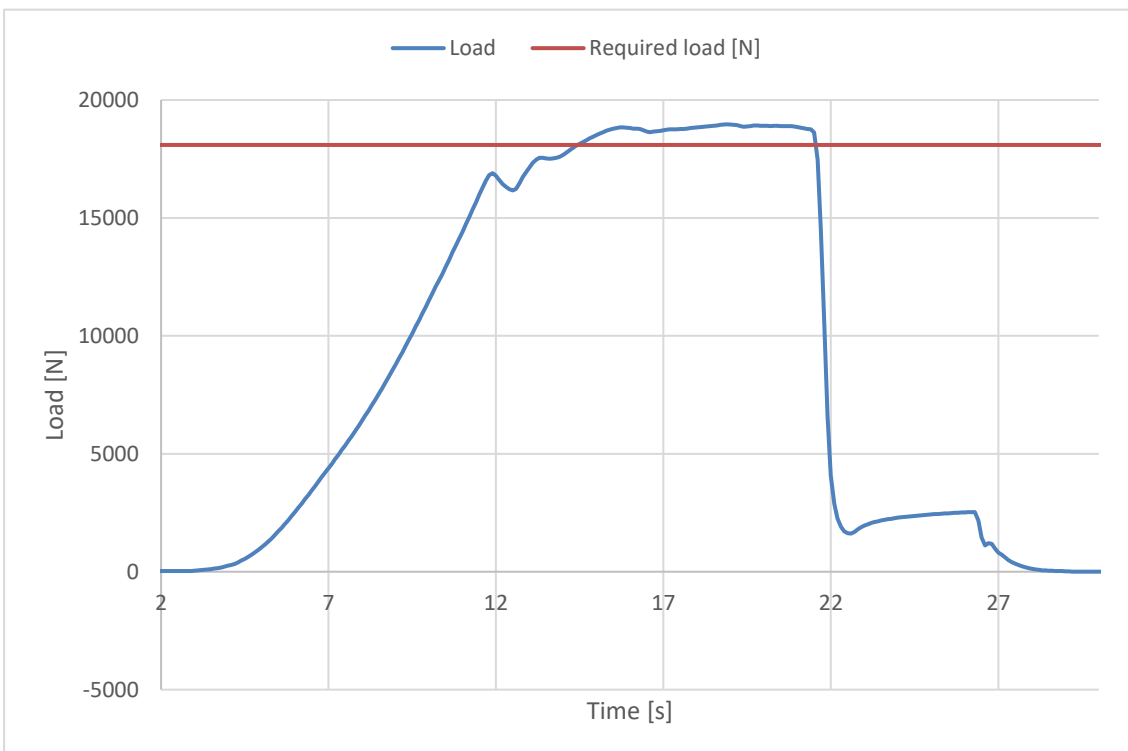
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 09

Standard	EN 1651	
Reference in standard	5.5.1.3	
Test setup	Positive symmetric load rescue points	
Attachment points	Both main riser attachment (1,2)	
Anchor points	Dummy (B1,B2)	
Required load [g]	15	
Required load [N]	18000	
Minimum test duration [s]	5	
Result		
Test duration [s]	7.1	
Any signs of structural failure	No	
Slippery test OK	Yes	
Test results	POSITIVE	



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

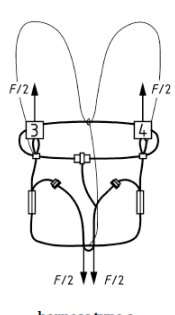
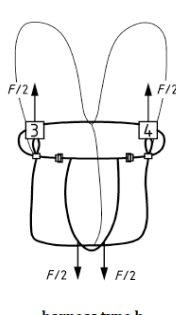
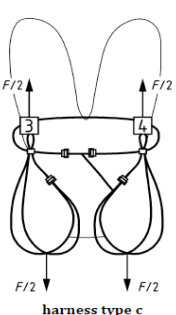
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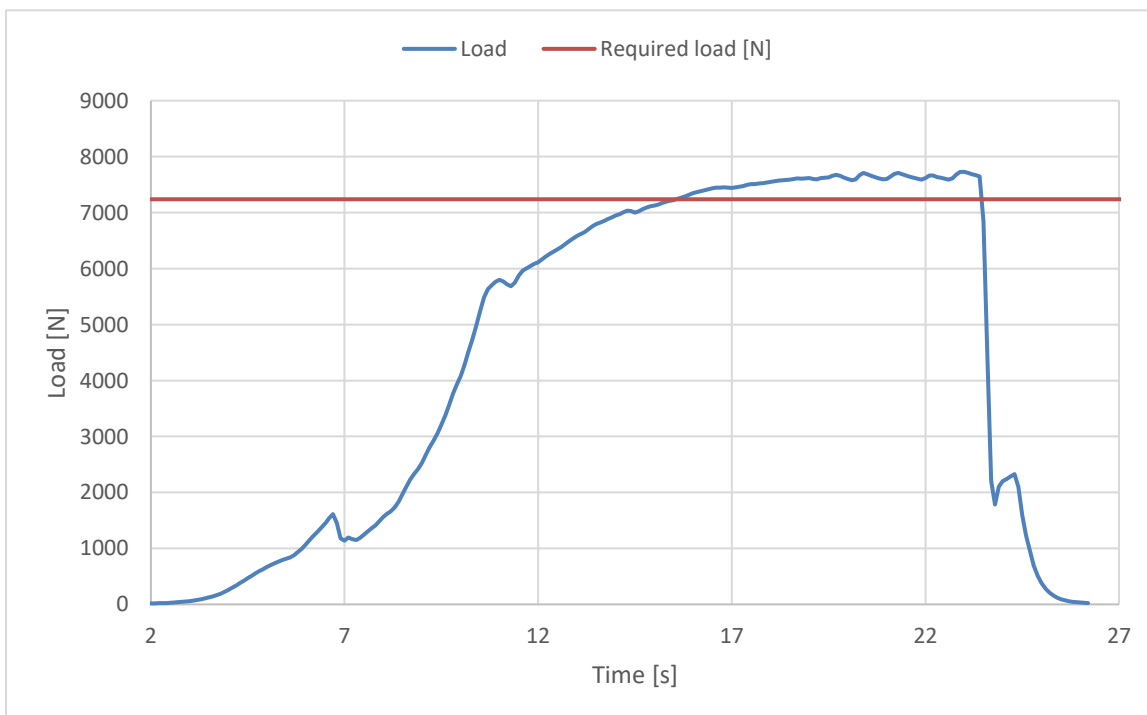
model: **Gii 5 Alpha**

Harness Structural test

Test ID 12

Standard	EN 1651
Reference in standard	5.5.1.7
Test setup	Upright (landing) position load
Attachment points	Both main riser attachment (3, 4)
Anchor points	Both legstrap of harness (no dummy)
Required load [g]	6
Required load [N]	7200
Minimum test duration [s]	5
Harness type	type c
Result	
Test duration [s]	7.9
Any signs of structural failure	No
Slippery test OK	Yes
Test results	POSITIVE



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

Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Rescue Deployment Test

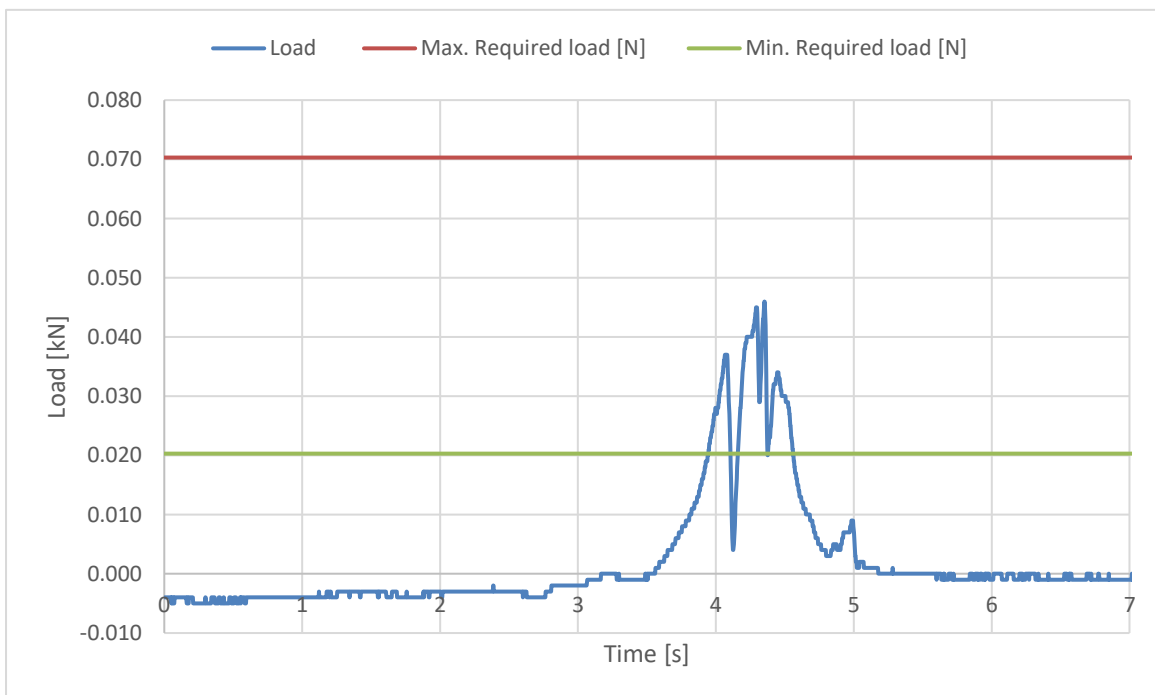
Test ID RRDT

Standard	EN 1651
Reference in standard	5.5.1.11
Test setup	Default flying position
Attachment points	Sensor connect to handle, and pull in opening direction
	The test is to simulate the load required to open the emergency parachute(1st action).

Min. Required load [N]	20
Max. Required load [N]	70

Result

Load for first action [N]	46.31
Test results	POSITIVE



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

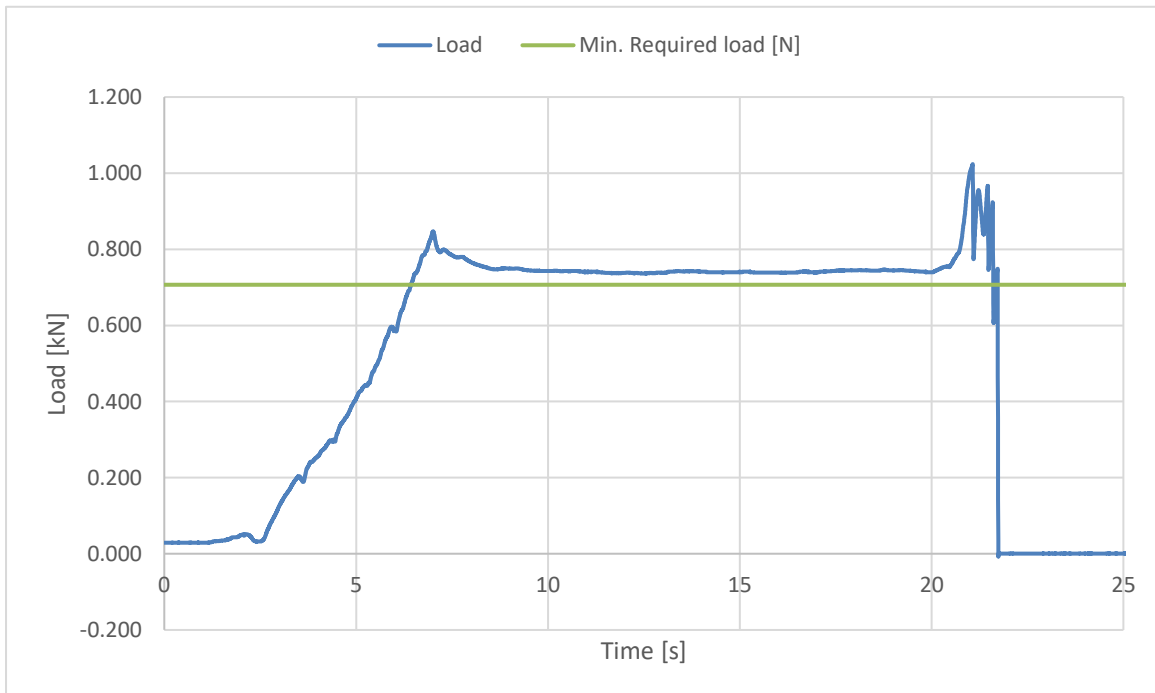
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Rescue Deployment Handle strength test

Test ID RRST

Standard	EN 12491
Reference in standard	5.3.2
Test setup	Two end points of handle
Attachment points	Sensor connect to end of handle, pull on the other side
	The handle must support min 700 N for 10 s, after measure breaking strength
Min. Required load [N]	700
Minimum test duration [s]	10
Result	
Test duration [s]:	15.2
Breaking strength [N]	1017.20
Test results	POSITIVE



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

Harness Structural test Report - NfL

Inspection certificate number: **PH_415.2023**

Manufacturer data:

Manufacturer name: **Sky Paragliders a.s.**
 Representative: **Michal Sotek**
 Street: **Okruzni 39**
 Post code place: **73911 Frydlant n.O.**
 Country: **Czech Republic**

Sample data:

Name: **Gii 5 Alpha**
 Type: **ABS**
 Size: **L**
 Serial number: **2856-13-6112**
 Impact pad type: ⁽¹⁾ **Foam**
 Clip-in weight [kg]: **120**
 Integrated container: **Yes**
 Date of test: **27.06.2023**

Atmosphere AGL:

[C°]	24
RH [%]	45
[hPa]	1009

Summary of Structural test

Test id	- EN 1651:1999	Setup	Req. Load [g]	Req. Load [N]	Min. duration [s]	Result
02	✓ 5.3.2.1	Default flying position	6	7200	10	POSITIVE
03	✓ 5.3.2.2	Default flying position	15	18000	5	POSITIVE
04	✓ 5.3.2.3	Asymmetric, one riser	6	7200	10	POSITIVE
07	✓ 5.3.2.6	Asymmetric, negative	4.5	5400	10	POSITIVE
09	✓ 5.3.2.4	Rescue attachments	15	18000	5	POSITIVE
13	✓ 5.3.2.7	Flying position before landing	15	18000	5	POSITIVE
14	5.3.2.5	Towing	5	6000	10	n/a

Rescue deployment test

Test id	- NfL 2-565-20	Setup	Min load [N]	Max. load [N]	Measured [N]	Result
RRDT	✓ 6.1.5	Default flying position	20	70	45.69	POSITIVE

Rescue Deployment Handle strength test

Test id	- EN 12491	Setup	Req. Load [N]	Min. duration [s]	Breaking strength [N]	Result
RRST	✓ 5.3.2	Two end points of handle	700	10	1017.20	POSITIVE

Rescue deployment test with integrated container for rescue system

Test id	- NfL 2-565-20	Setup	Result
RDIC	4.3.2-4.3.6	Release of the container at maximum volume	n/a

Manufacturer	Instrument	Type no	S/N	Validity
HBM	Load Sensor GE01	1-S9M/50KN-1	31314643	04.09.2023
Burster / MTS	Load sensor 10kN SL2	8431-6010-N000S000	593507	21.04.2026
JDC elec	Geos n°11 Skywatch	Geos n°11	Unit11	18.06.2025

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

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

⁽¹⁾ If Impact pad available, see test report no. 94.22 and inspection certificate no. 94.20a

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%.

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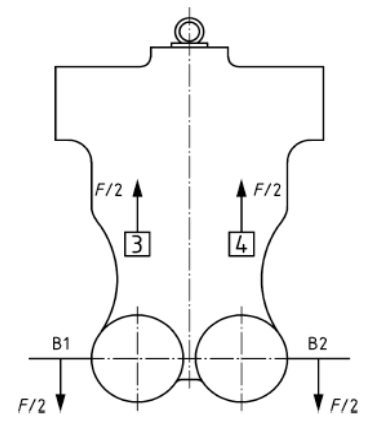
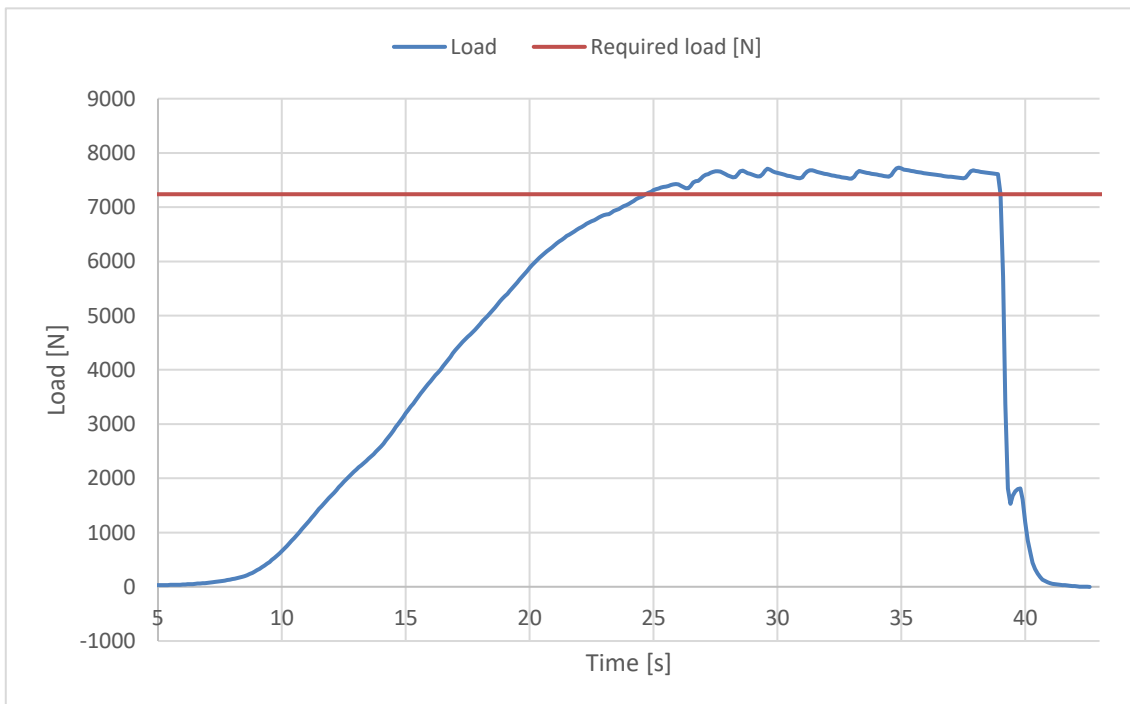
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 02

Standard	EN 1651:1999
Reference	5.3.2.1
Test setup	Default flying position
Attachment points	Both main riser attachment (3,4)
Anchor points	Dummy (B1, B2)
Required load [g]	6
Required load [N]	7200
Minimum test duration [s]	10
Result	
Test duration [s]	14.3
Any signs of structural failure	No
Test results	POSITIVE

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

Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

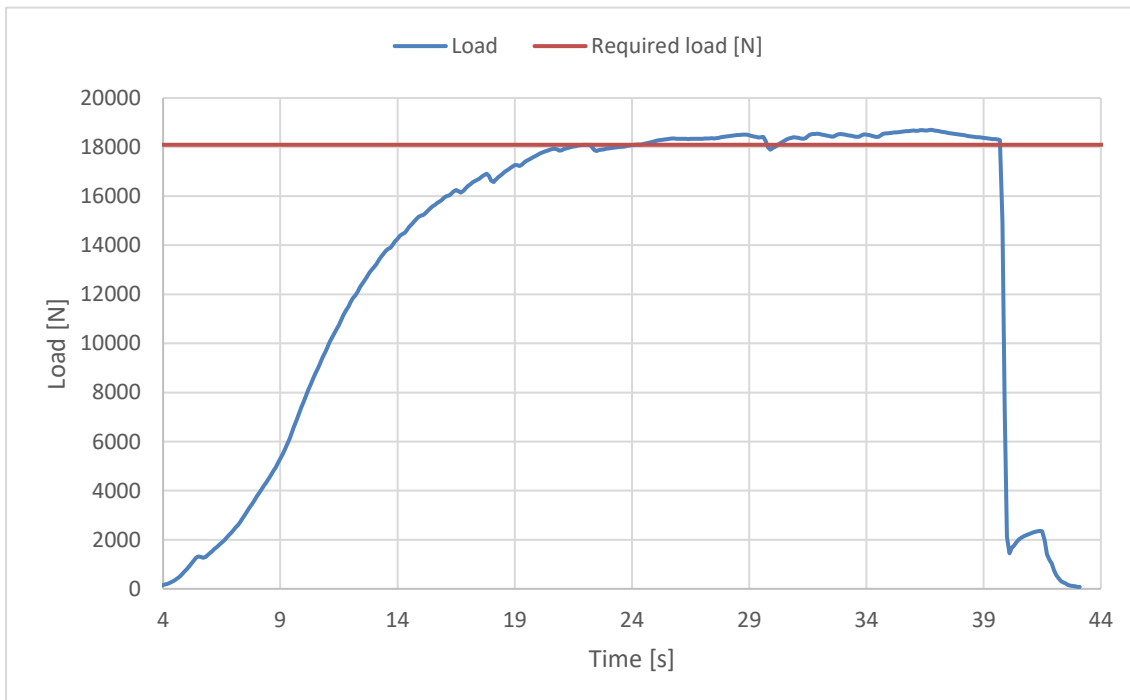
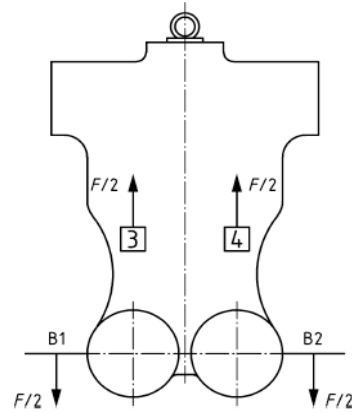
Test ID 03

Standard **EN 1651:1999**
 Reference **5.3.2.2**
 Test setup **Default flying position**
 Attachment points **Both main riser attachment (3,4)**
 Anchor points **Dummy (B1, B2)**

Required load [g] **15**
 Required load [N] **18000**
 Minimum test duration [s] **5**

Result

Test duration [s] **9.5**
 Any signs of structural failure **No**
 Test results **POSITIVE**



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

Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

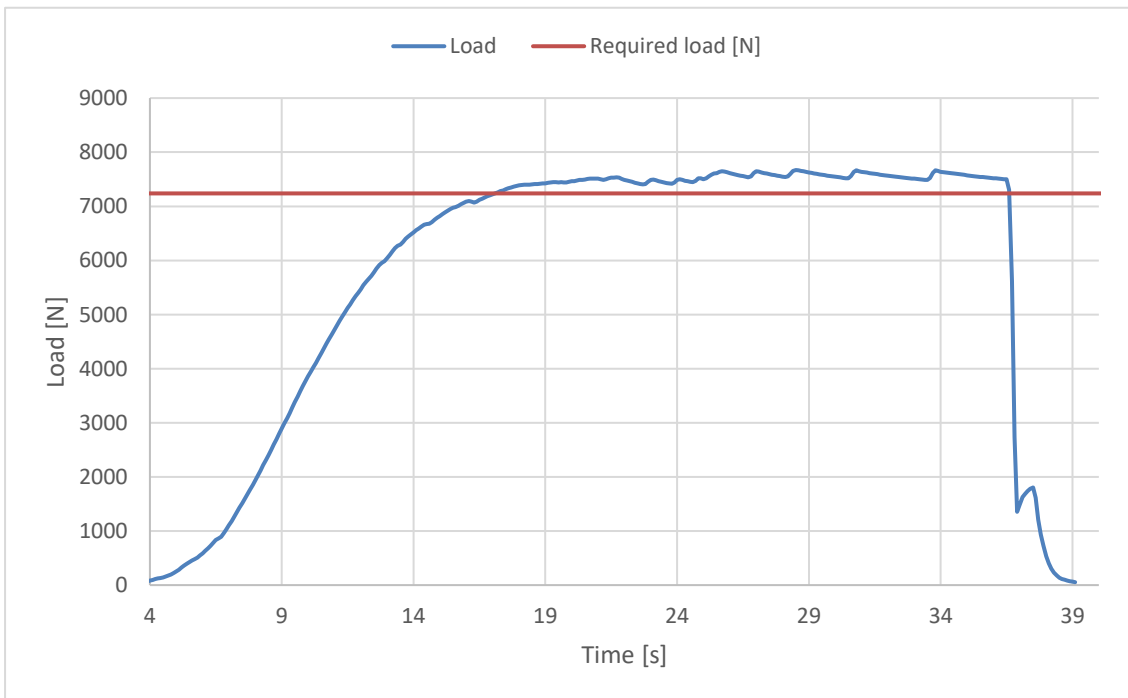
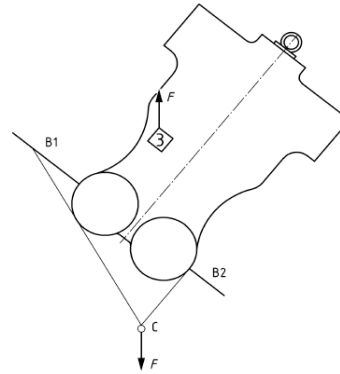
Test ID 04

Standard **EN 1651:1999**
 Reference **5.3.2.3**
 Test setup **Asymmetric, one riser**
 Attachment points **One main riser attachment (3)**
 Anchor points **Dummy (B1,B2)**

Required load [g] **6**
 Required load [N] **7200**
 Minimum test duration [s] **10**

Result

Test duration [s] **19.5**
 Any signs of structural failure **No**
 Test results **POSITIVE**



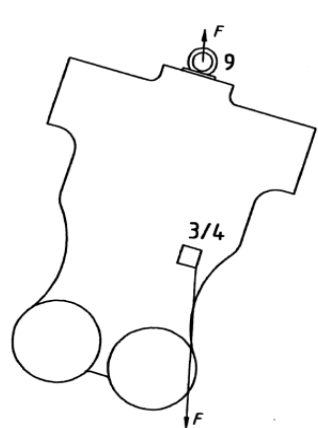
The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20a

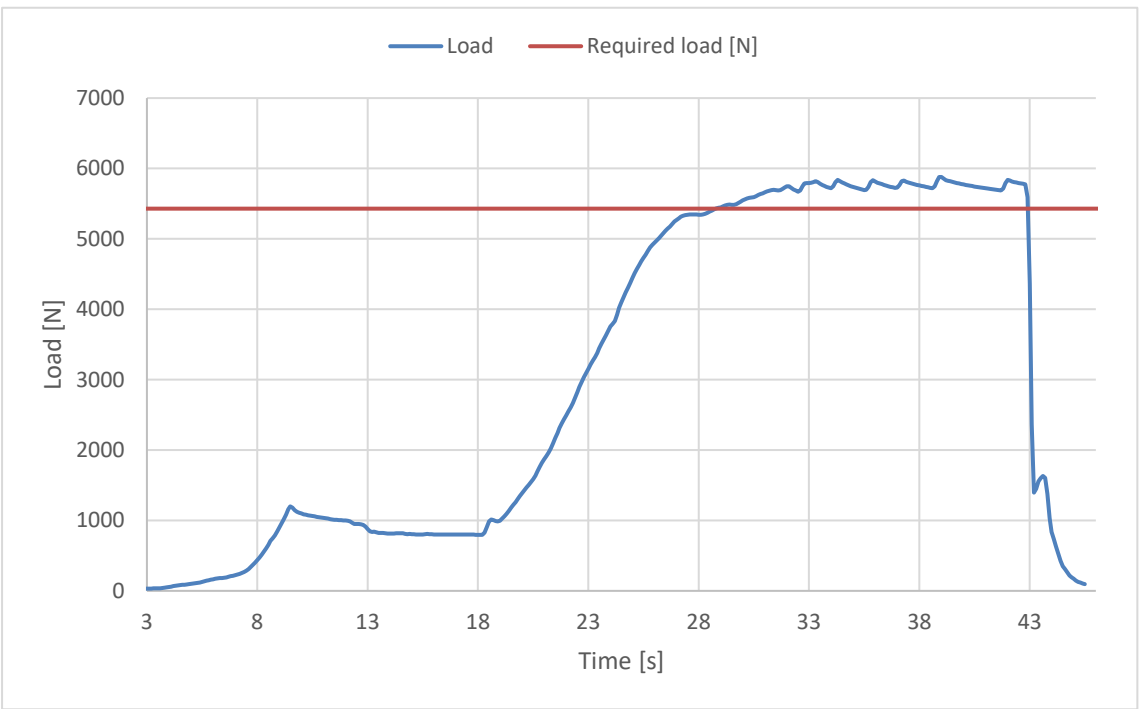
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 07

Standard	EN 1651:1999	
Reference	5.3.2.6	
Test setup	Asymmetric, negative	
Attachment points	One main riser attachment (3 or 4) downwards	
Anchor points	Dummy (9)	
Required load [g]	4.5	
Required load [N]	5400	
Minimum test duration [s]	10	
Result		
Test duration [s]	14.2	
Any signs of structural failure	No	
Test results	POSITIVE	



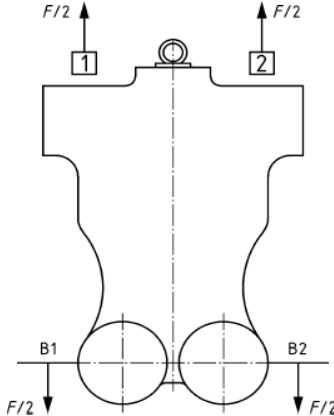
The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20a

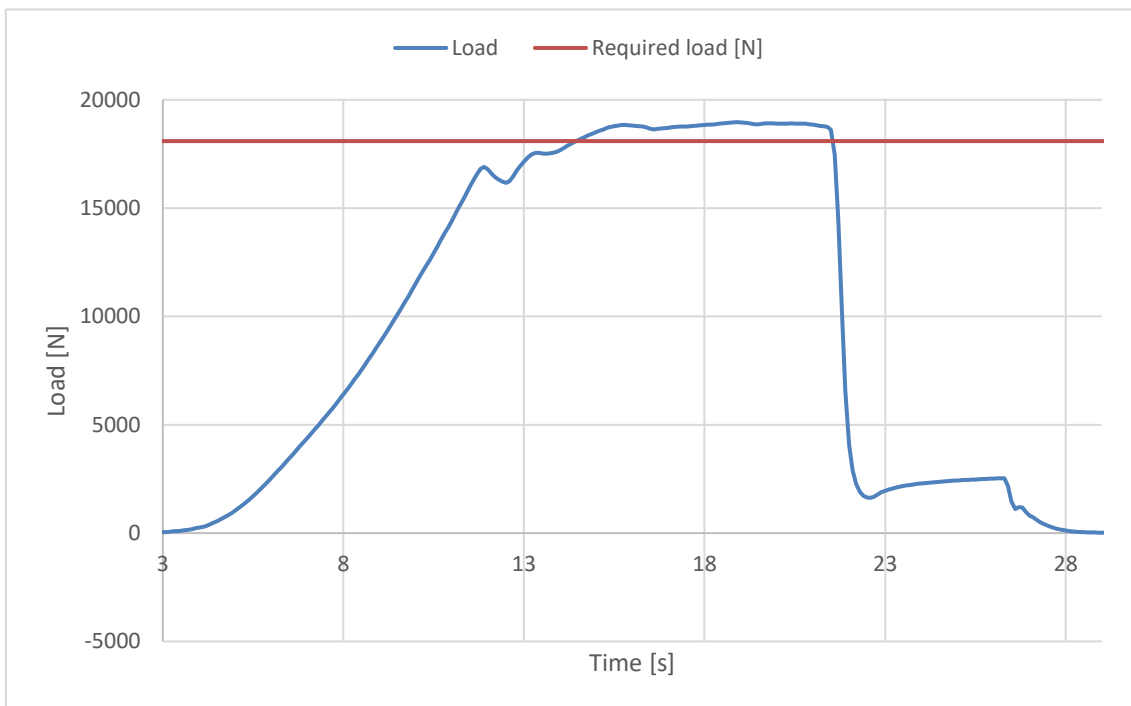
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 09

Standard	EN 1651:1999	
Reference	5.3.2.4	
Test setup	Rescue attachments	
Attachment points	Rescue riser attachment (1,2)	
Anchor points	Dummy (B1,B2)	
Required load [g]	15	
Required load [N]	18000	
Minimum test duration [s]	5	
Result		
Test duration [s]	7.1	
Any signs of structural failure	No	
Test results	POSITIVE	



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

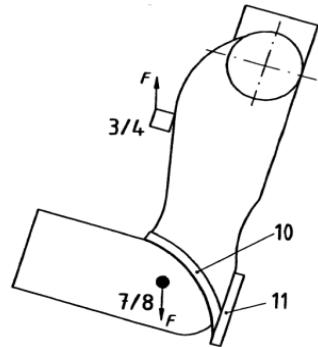
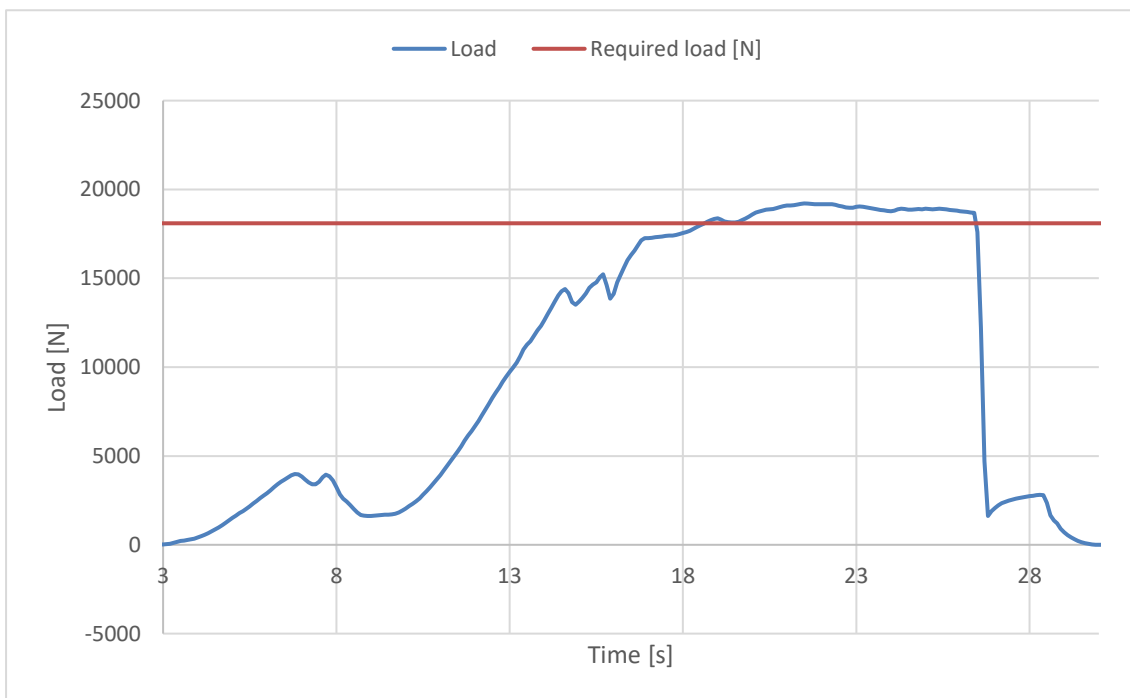
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Harness Structural test

Test ID 13

Standard	EN 1651:1999
Reference	5.3.2.7
Test setup	Flying position before landing
Attachment points	Both main riser attachment (3,4)
Anchor points	Dummy (7,8)
Required load [g]	15
Required load [N]	18000
Minimum test duration [s]	5
Result	
Test duration [s]	7.8
Any signs of structural failure	No
Test results	POSITIVE

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

Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Rescue Deployment Test

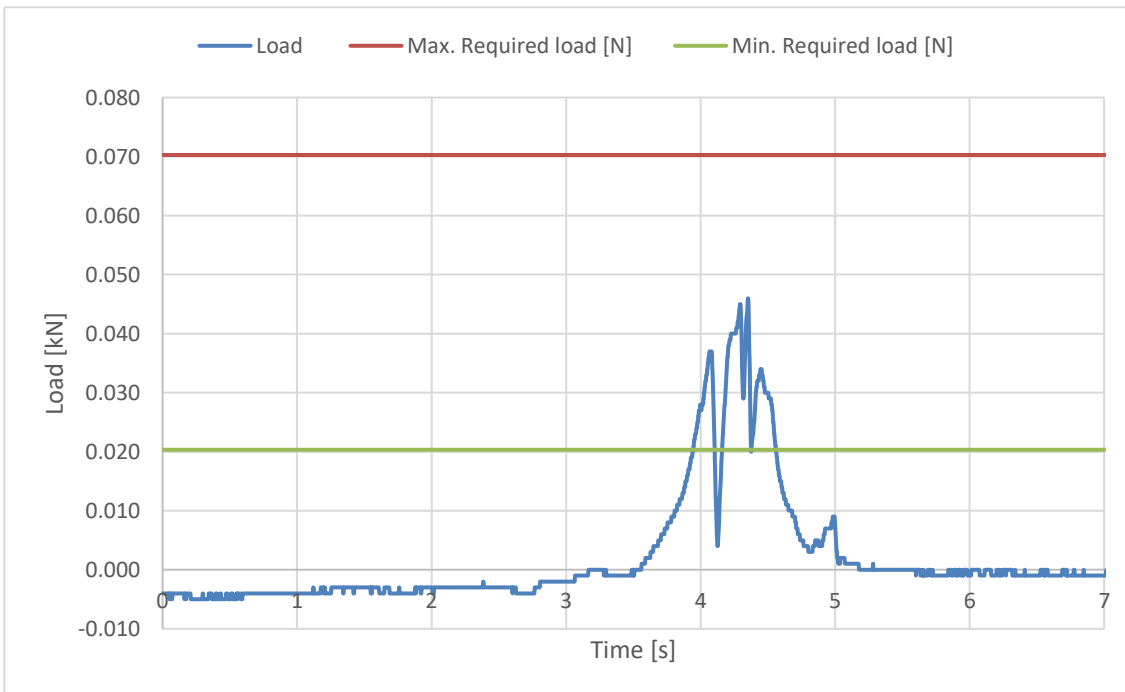
Test ID RRDT

Standard **NfL 2-565-20**
 Reference **6.1.5**
 Test setup **Default flying position**
 Attachment points **Sensor connect to handle, and pull in opening direction**
 The test is to simulate the load required to open the emergency parachute(1st action).

Min. Required load [N] **20**
 Max. Required load [N] **70**

Result

Load for first action [N] **45.69**
 Test results **POSITIVE**



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

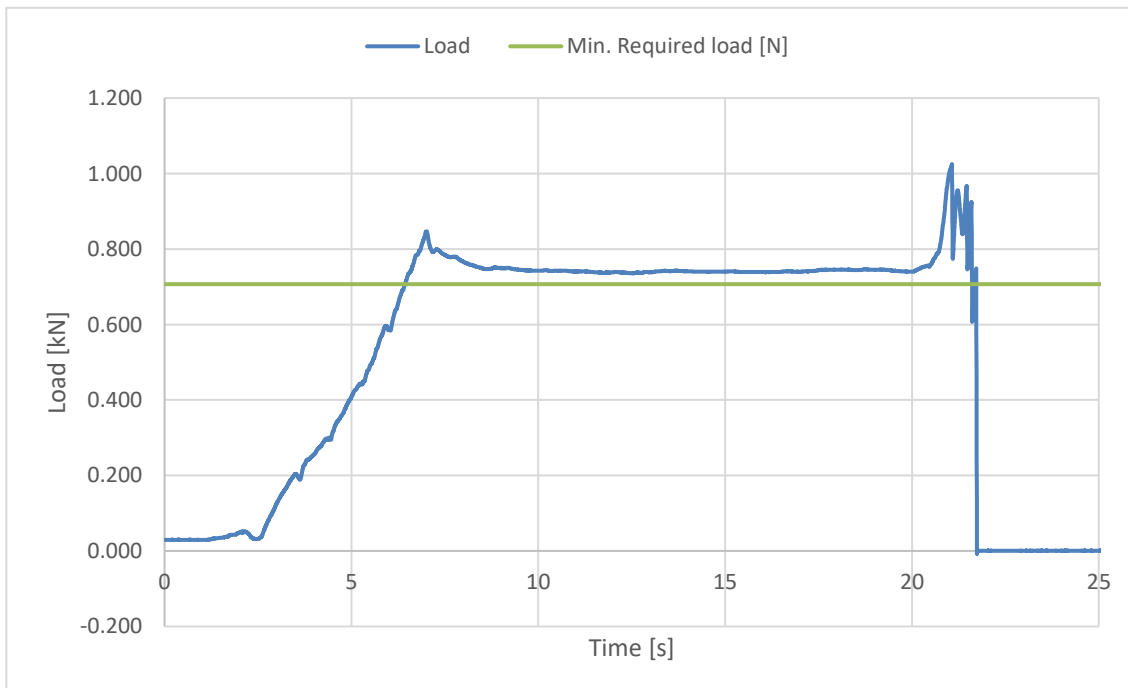
Inspection certificate number: **PH_415.2023**

model: **Gii 5 Alpha**

Rescue Deployment Handle strength test

Test ID RRST

Standard	EN 12491
Reference in standard	5.3.2
Test setup	Two end points of handle
Attachment points	Sensor connect to end of handle, pull on the other side
	The handle must support min 700 N for 10 s, after measure breaking strength
Min. Required load [N]	700
Minimum test duration [s]	10
Result	
Test duration [s]:	15.2
Breaking strength [N]	1017.20
Test results	POSITIVE



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