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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Harness inspection certificate - EN

Inspection certificate number:

PH 385.2023

Impact pad number:

PH 385.2023

Manufacturer data

Manufacturer name:

Sky Paragliders a.s.

Representative:

Michal Sotek Okruzni 39

Street: Post code / place:

73911 Frydlant n.O.

Country:

Czech Republic

C	-1-	data.
Sam	DIE.	data:
	P	~~~~

Harness

Impact pad

Name: Type:

Gii 5

Name Impact pad: (1) Impact pad integrated: (1)

Yes

Size:

ABS

Impact pad type:

Airbag

Weight of Sample [kg]: Serial number:

3.18 2761-13-6572 Weight of Sample [kg]: (1) Serial number: (1)

nla 2762-13-6739

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

Date of reception:

28.12.2022

rescue system: Volume container [cm3]:

6400 max

3200 min

Date of reception:

07.12.2022

Test report summary

Structual test

Impact pad test

Result Place Date

POSITIVE Villeneuve 20.12.2022

POSITIVE Villeneuve 04.01.2023

Issue data

Place of declaration:

Date of issue:

Managing Director:

Signature:

Villeneuve 01.02.2023

Andrea Wigger

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

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Harness inspection certificate - NfL

Inspection certificate number:

PH 385.2023

Impact pad number:

PH 385.2023

Manufacturer data

Manufacturer name:

Sky Paragliders a.s.

Representative:

Michal Sotek Okruzni 39

Street: Post code / place:

73911 Frydlant n.O.

Country:

Czech Republic

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Sam	-		\sim	-	40	
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Harness

Impact pad

Name: Type:

Gii 5

Name Impact pad: (1) Impact pad integrated: (1)

Yes

Size:

ABS

Impact pad type:

Airbag

Weight of Sample [kg]: Serial number:

3.18 2761-13-6572 Weight of Sample [kg]: (1) Serial number: (1)

Date of reception:

2762-13-6739

Clip-in weight [kg]:

120

28.12.2022

Integrated container for rescue system: (2)

Yes

6400 max

3200 min

Volume container [cm3]:

Date of reception:

07.12.2022

Test report summary

Structual test

Impact pad test

Result: Place: Date:

POSITIVE Villeneuve 20.12.2022 **POSITIVE** Villeneuve 04.01.2023

Issue data

Place of declaration:

Date of issue:

Managing Director:

Villeneuve 01.02.2023

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

The certificate of inspection is completed with test reports, if available, number: 94.21a and 94.22 The declaration must not be reproduced in part without the written permission of AIR TURQUOISE SA

⁽f) 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) If harness has an integrated inner container for emergency parachute, extra deployment tests are done.

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Harness Impact Pad Report

Inspection certificate number: PH_385.2023

Manufacturer data: Sample data:

Sky Paragliders a.s. Manufacturer name: Name impact pad: n/a **Michal Sotek** Impact pad intgrated: Representative: Yes Okruzni 39 Airbag Street: Impact pad type: 73911 Frydlant n.O. Post code place: Weight of sample [kg]: n/a

Country: Czech Republic Serial number: 2762-13-6739

Date of test: **04.01.2023**Harness model: **Gii 5**

Atmosphere AGL:

Temp.	[C°]	20
R.H.	[%]	42
Press.	[hPa]	1020

Summary of Impact pad test (1)

	_		Max Peak of	Duration at 38 [g]	Duration at 20	Diff. of test 1	
Test id		Test configuration (2)	Impact [g] (3)	in [ms] ⁽⁴⁾	[g] in [ms] ⁽⁵⁾	and 2 [%] (6)	Result
Р	٧	Test sample attached to dummy in flying position, without emergency parachute	22.69	0.00	14.17	-0.23	POSITIVE
PR	٧	Test sample attached to dummy in flying position, Including emergency parachute	22.60	0.00	12.50	1.87	POSITIVE

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

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 differe more than 20% from the first test, maximum peak.

 $^{^{\}left(7\right)}$ This standard is NOT covered by accreditation D-IS-19457-01

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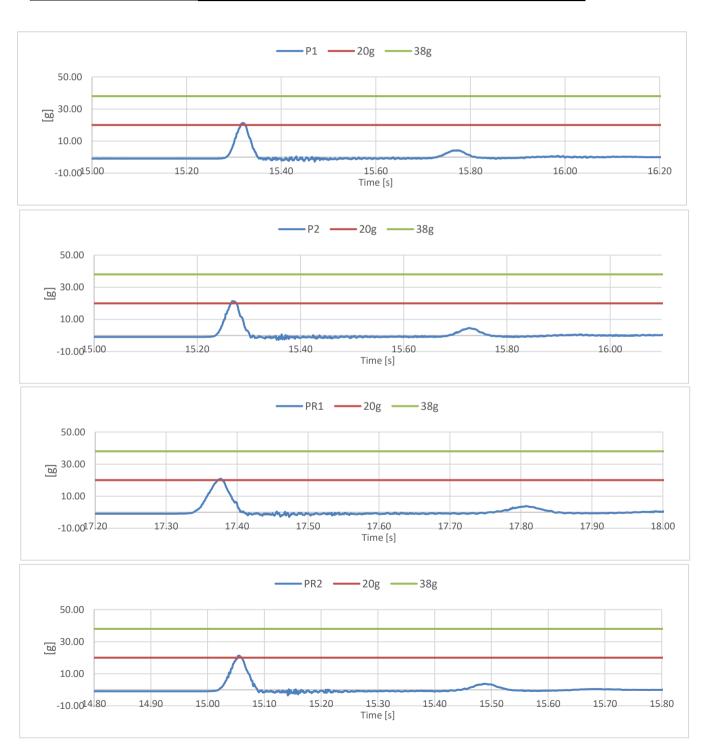
Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 Name impact pad: n/a

Test results of Impact pad test

	without emerger	ncy parachute	including emerge	ncy parachute
	P1	P2	PR1	PR2
Maximum peak of impact [g]	22.69	22.63	22.19	22.60
Impact duration at +38 [g] in [ms]	0.00	0.00	0.00	0.00
Impact duration at +20 [g] in [ms]	12.50	14.17	10.83	12.50
Uncertainty k=2 [g]	1.31	1.30	1.28	1.30
Diff. between test 1 and 2 [%]	100.00	99.77	100.00	101.87



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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Harness Structural test Report - EN

Inspection certificate number: PH_385.2023

Manufacturer data: Sample data:

Manufacturer name:Sky Paragliders a.s.Name:Gii 5Representative:Michal SotekType:ABSStreet:Okruzni 39Size:L

Post code place: 73911 Frydlant n.O. Serial number: 2761-13-6572

Country: Czech Republic Impact pad type: (1) Airbag
Clip-in weight [kg]: 120

Date of test: **20.12.2022**

Atmosphere AGL:

[C°]	20
RH [%]	34
[hPa]	1011

Summary of Structural test

				Req. Load			
Test id	-	EN 1651	Setup	[g]	Req. Load [N]	Min. duration [s]	Result
01 (3)	٧	5.5.1.1	Positive symmetric load (Slippage)	4.5	5400	5	POSITIVE
03 (3)	٧	5.5.1.1b	Positive symmetric load	15	18000	5	POSITIVE
05	٧	5.5.1.2	Positive asymmetric load	6	7200	5	POSITIVE
06	٧	5.5.1.6	Negative symmetric load	6	7200	5	POSITIVE
08 (5)	٧	5.5.1.9	Anti falling-out system	4.5	5400	5	POSITIVE
09 (3)(4)	٧	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⁾	٧	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

		Min load			
Test id - EN 1651	Setup	[N]	Max. load [N]	Measured [N]	Result
RRDT V 5.5.1.11	Default flying position	20	70	58.39	POSITIVE

Rescue Deployment Handle strength test

Test id	-	EN 12491	Setup	Req. Load [Min. dura	ation [s]	Breaking strength	[Result
RRST	٧	5.3.2	Two end points of handle	700 1	10	1017.20	POSITIVE

Manufacturer	Instrument	Type no	S/N	Validity
НВМ	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

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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⁽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

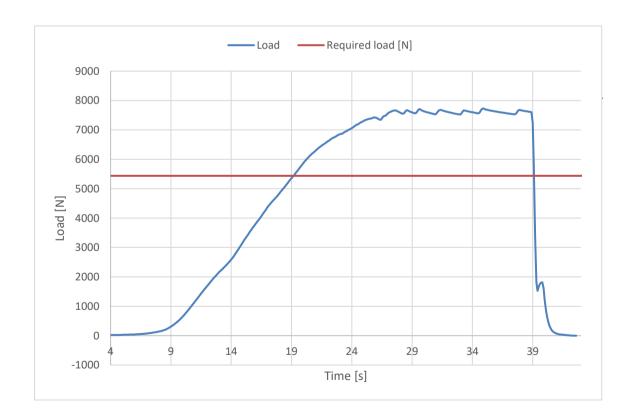
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	F/2 🛕 🕴 🛕 F/2
Any signs of structural failure	No	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Slippery test OK	Yes	\3 4/
Test results	POSITIVE) j (
		B1 B2
		F/2 V F/2



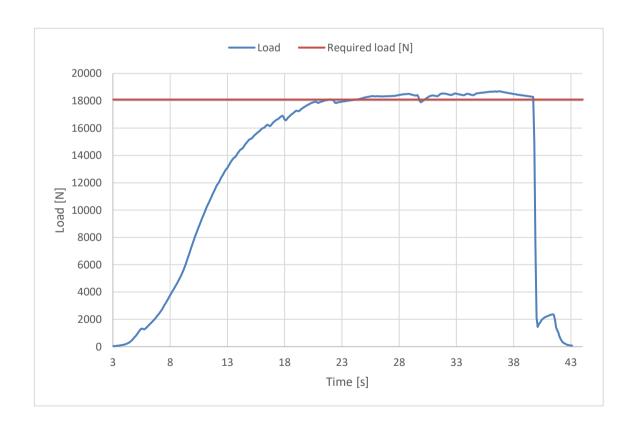
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	F/2 A F/2
Any signs of structural failure	No	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Slippery test OK	Yes	\3 4/
Test results	POSITIVE)
		B1 B2
		F/2 V F/2



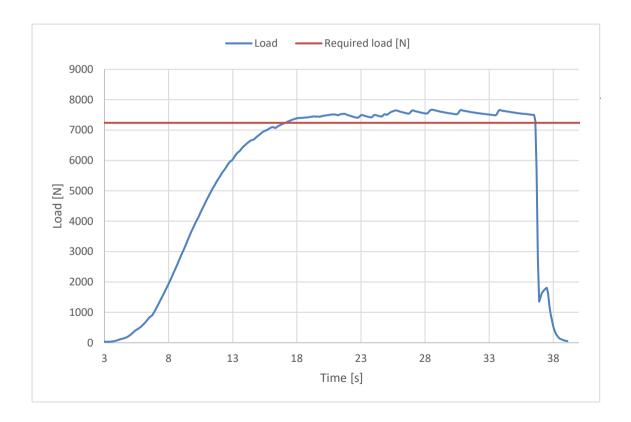
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Inspection certificate number: PH_385.2023 model: Gii 5

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		M ^F
Test duration [s]	19.5	B1 3
Any signs of structural failure	No	
Test results	POSITIVE	B2
		C
		1 1



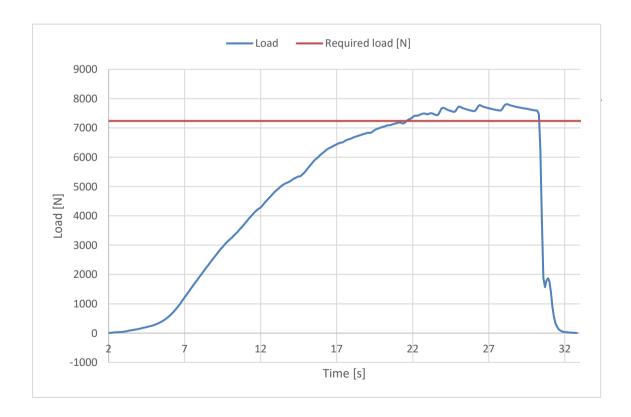
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	A.F.
Required load [N]	7200	Ť <u>`</u>
Minimum test duration [s]	5	
Result	0.7	
Test duration [s]	8.7 No.	
Any signs of structural failure	No POOITIVE	
Test results	POSITIVE	\ 3 4 /
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		/ <u>'</u>
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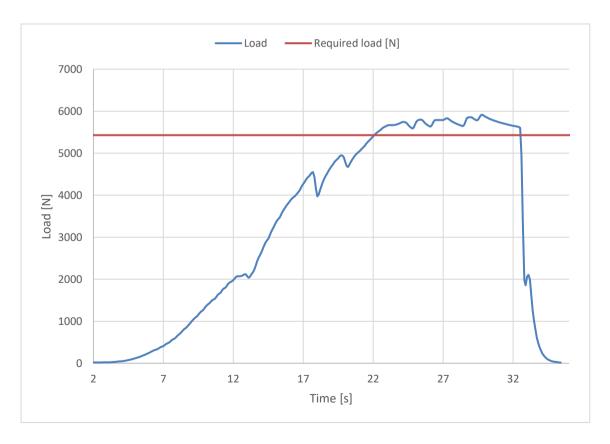
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	



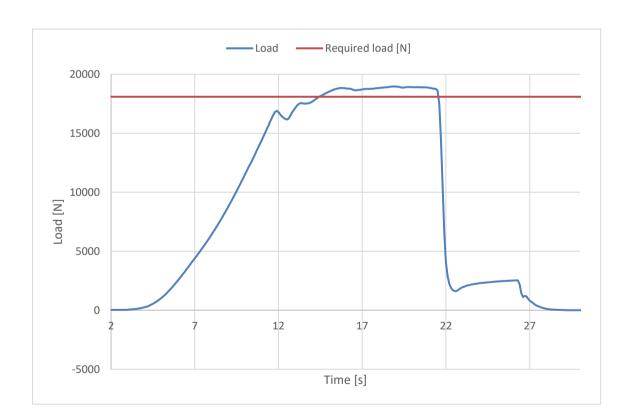
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

Harness Structural test		Test ID 09
Standard	EN 1651	
Reference in standard	5.5.1.3	
Test setup	Positive symmetric load rescue points	S
Attachment points	Both main riser attachment (1,2)	
Anchor points	Dummy (B1,B2)	F/2 ▲
Required load [g]	15	由。 ② 包
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) (
		B1 B2
		F/2 \$\psi F/2



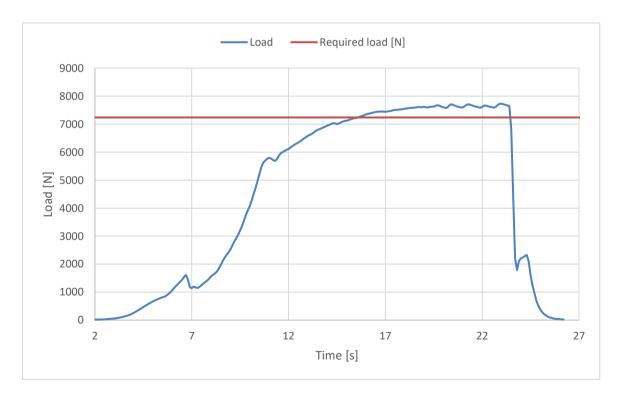
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

Standard Reference in standard 5.5.1.7 Test setup Upright (landing) position load Attachment points Both main riser attachment (3, 4) Both legstrap of harness (no dummy) Required load [g] Required load [N] 7200 Minimum test duration [s] Harness type type c Result Test duration [s] Any signs of structural failure Slippery test OK Test results POSITIVE F12 F12 F12 F12 F13 F13 F14 F15 F15 F17 F17 F17 F17 F17 F17	Harness Structural test				Test ID 12
Test setup Attachment points Both main riser attachment (3, 4) Anchor points Both legstrap of harness (no dummy) Required load [g] Required load [N] Minimum test duration [s] Harness type type c Result Test duration [s] Any signs of structural failure Slippery test OK Test results POSITIVE	Standard	EN 1651			
Attachment points Anchor points Both main riser attachment (3, 4) Both legstrap of harness (no dummy) Required load [g] Required load [N] T200 Minimum test duration [s] Harness type type c Result Test duration [s] Any signs of structural failure Slippery test OK Test results POSITIVE Result Fr2	Reference in standard	5.5.1.7			
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 Slippery test OK Yes Test results POSITIVE	Test setup				
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	Attachment points				
Required load [N] Minimum test duration [s] Harness type type c Result Test duration [s] Any signs of structural failure Slippery test OK Test results POSITIVE F12 F12 F12 F12 F12 F12 F12 F1	Anchor points	Both legstrap of	harness (no d	ummy)	
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	Required load [g]	6			
Harness type type c Result Test duration [s] 7.9 Any signs of structural failure No Slippery test OK Yes Test results POSITIVE	Required load [N]	7200			
Result Test duration [s] Any signs of structural failure No Slippery test OK Test results POSITIVE	Minimum test duration [s]	5			
Test duration [s] Any signs of structural failure No Slippery test OK Test results POSITIVE F/2 F/2 F/2 F/2 F/2 F/2 F/2 F/	Harness type	type c			
Any signs of structural failure Slippery test OK Test results POSITIVE F/2 F/2 F/2 F/2 F/2 F/2 F/2 F/	Result				
Slippery test OK Test results POSITIVE F/2 F/2 F/2 F/2 F/2 F/2 F/2 F/	Test duration [s]	7.9			
Test results POSITIVE F/2 F/2 F/2 F/2 F/2 F/2 F/2 F/	Any signs of structural failure	No			
F/2 $F/2$	Slippery test OK	Yes			
$\begin{array}{c} 3 \\ \hline \\ 6 \\ \hline \\ 6/2 \\ \hline \\ 6/2$	Test results	POSITIVE			
narness type a narness type b	F/2 V F/2		2 6/2	F/2 F/2	
	harness type a	ı ha	rness type b	narness type c	



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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

Rescue Deployment Test ID RRDT

Standard EN 1651
Reference in standard 5.5.1.11

Test setup Default flying position

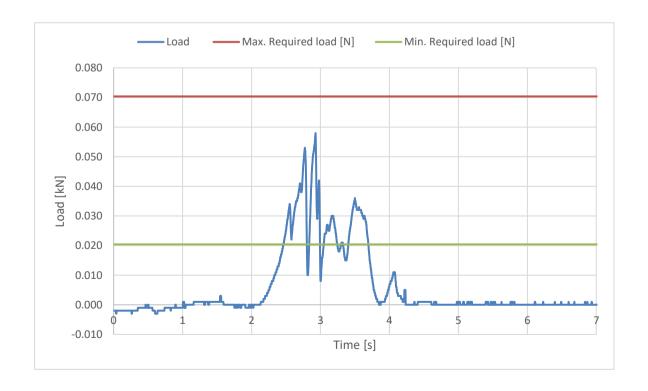
Attachment points Sensor connect to handle, and pull in opening direction

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] 58.39
Test results POSITIVE



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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

Rescue Deployment Handle strength test

Test ID RRST

Standard EN 12491
Reference in standard 5.3.2

Test setup Two end points of handle

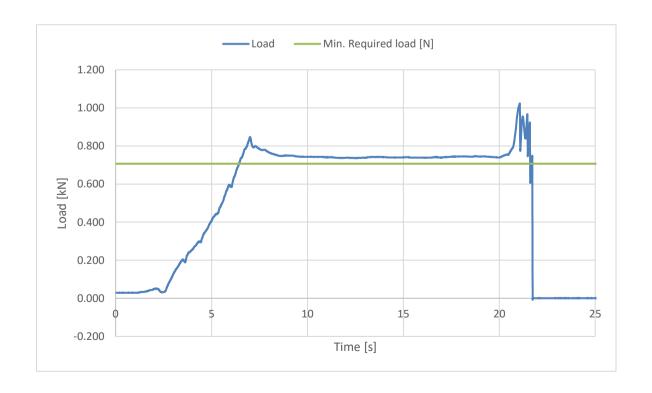
Attachment points Sensor connect to end of handle, pull on the other side

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



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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Harness Structural test Report - NfL

Inspection certificate number: PH_385.2023

Manufacturer data:

Manufacturer name:Sky Paragliders a.s.Name:Gii 5Representative:Michal SotekType:ABSStreet:Okruzni 39Size:L

Post code place: 73911 Frydlant n.O. Serial number: 2761-13-6572 Country: Impact pad type: (1) Airbag

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

Sample data:

Date of test: 20.12.2022

Atmosphere AGL:

[C°]	20
RH [%]	34
[hPa]	1011

Summary of Structural test

Test id	-	EN 1651:1999	Setup	Req. Load [g]	Req. Load [N]	Min. duration [s]	Result
02	٧	5.3.2.1	Default flying position	6	7200	10	POSITIVE
03	٧	5.3.2.2	Default flying position	15	18000	5	POSITIVE
04	٧	5.3.2.3	Asymmetric, one riser	6	7200	10	POSITIVE
07	٧	5.3.2.6	Asymmetric, negative	4.5	5400	10	POSITIVE
09	٧	5.3.2.4	Rescue attachments	15	18000	5	POSITIVE
13	٧	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 V 6.1.5	Default flying position	20	70	57.61	POSITIVE

Rescue Deployment Handle strength test

Test id	-	EN 12491	Setup	Req. Load [N]	Min. duration [s]	Breaking strength [N]	Result
RRST	٧	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%.

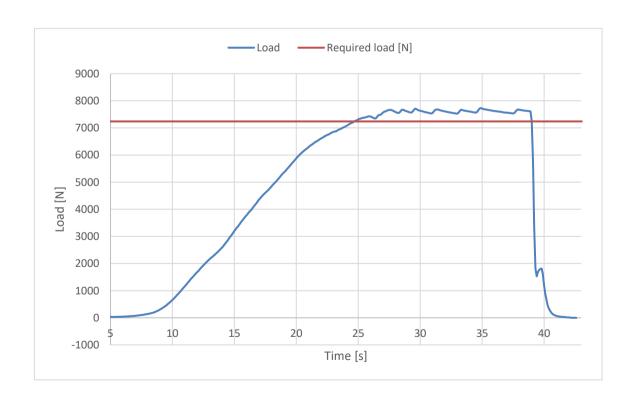
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	F/2 Å
Any signs of structural failure	No	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Test results	POSITIVE	\3 4/
) j (
		B1 B2
		F/2 V F/2



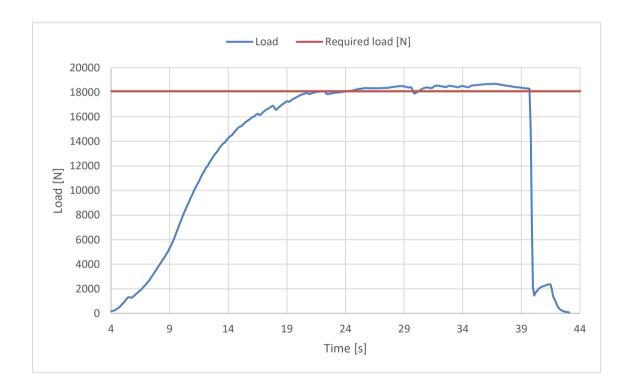
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	F/2 Å
Any signs of structural failure	No	
Test results	POSITIVE	\3 4/
)
		B1 B2
		510
		F/2 V F/2



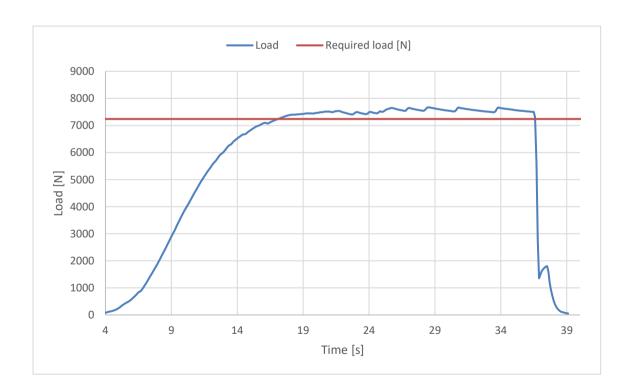
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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	\$ \times
Result		∫ F /
Test duration [s]	19.5	B1 3
Any signs of structural failure	No	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Test results	POSITIVE	B2
		V €



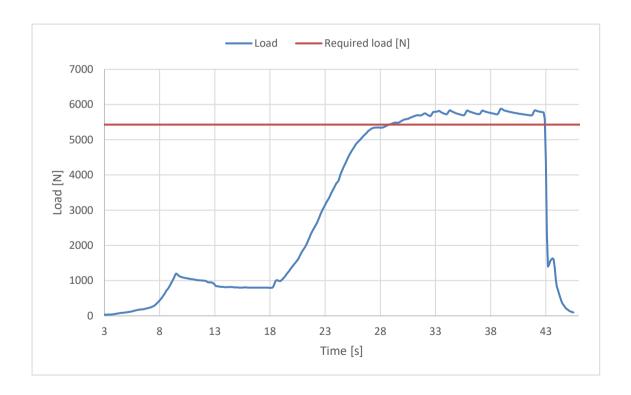
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

Harness Structural test		Test ID 07
Standard	EN 1651:1999	
Reference	5.3.2.6	
Test setup	Asymmetric, negative	
Attachment points	One main riser attachmen	t (3 or 4) downwards
Anchor points	Dummy (9)	
Required load [g]	4.5	\mathcal{A}^{r}
Required load [N]	5400	9
Minimum test duration [s]	10	
Result) /
Test duration [s]	14.2	
Any signs of structural failure	No	3/4 /
Test results	POSITIVE) 9/
		$ \begin{array}{c} $



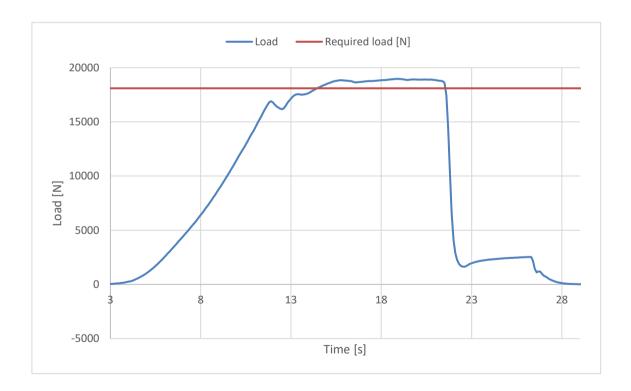
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Inspection certificate number: PH_385.2023 model: Gii 5

Harness Structural test		7	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	F/2	♦ F/2
Required load [N]	18000	<u> </u>	
Minimum test duration [s]	5		2
Result Test duration [s] Any signs of structural failure Test results	7.1 No POSITIVE	B1	B2 F/2



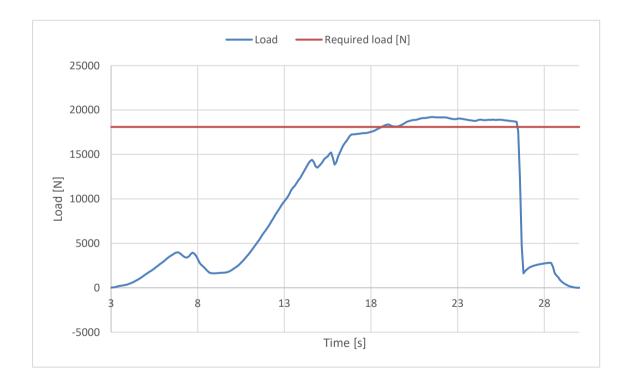
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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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		F, (+)
Test duration [s]	7.8	H
Any signs of structural failure	No	3/4
Test results	POSITIVE	/
		10
		7/8 11
		J



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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Test ID RRDT

Inspection certificate number: PH_385.2023 model: Gii 5

Rescue Deployment Test

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

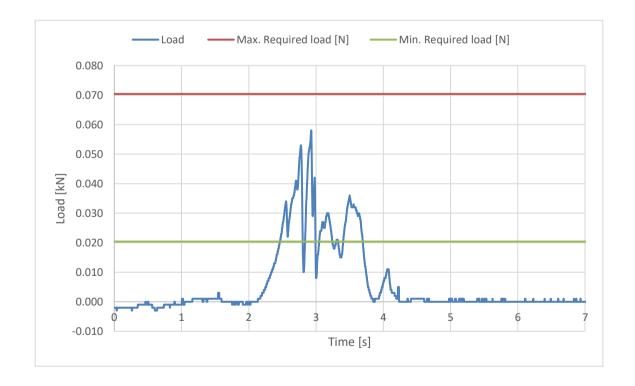
The test is to simulate the load required to open the emergency parachute(1st action).

 Min. Required load [N]
 20

 Max. Required load [N]
 70

Result

Load for first action [N] 57.61
Test results POSITIVE



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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Inspection certificate number: PH_385.2023 model: Gii 5

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

