



Speed of opening, stability, descent rate

Inspection certificate number: **EP_354.2023**

Test Report

Manufacturer data

Manufacturer name: **Gin Gliders Inc.**
 Representative: **Gin Seok Song**
 Street: **2318-32, Baegok-daero, Mohyeon-myeon**
 Post code / Place: **17036 Cheoin-gu, Yongin-si, Gyeonggi-do**
 Country: **Rep. of Korea**

Sample data

Name: **Yeti Cross 2** Size: **S**
 Steerable ⁽¹⁾: **No** Maximum weight in flight ⁽²⁾ [kg]: **85**
 Weight ⁽³⁾ [kg]: **1.10** Volume packed [cm³]: **3600**
 Serial number: **BM02-QYC20012**

Test results ⁽⁴⁾

	Test no. 1	Test no. 2
Measured opening time [s]:	2.25	2.98

Unsteerable parachute and steerable parachute with locked controls (if applicable)

Measured sink rate [m/s] (≤ 5.5):	4.75	5.28
Stability test:	Stable	Stable

Steerable parachute and steerable parachute with unlocked controls (if applicable)

Measured sink rate [m/s] (≤ 4.0):	n/a	n/a
Stability test:	n/a	n/a
Test of steerability:	n/a	n/a

Test data

	Test no. 1	Test no. 2
Place of test	Villeneuve	Villeneuve
Date of test	29.08.2023	07.09.2023
Atmosphere AGL		
[°C]	16	21
RH [%]	69	77
[hPa]	965	976
Wind [m/s]	0.1	0.1
Corrected mass with uncertainty (m_{corr}) [kg]:	81.5	80.2

If steerable with brake lock system

Place of test	n/a	n/a
Date of test	n/a	n/a
Atmosphere AGL		
[°C]	n/a	n/a
RH [%]	n/a	n/a
[hPa]	n/a	n/a
Wind [m/s]	n/a	n/a
Corrected mass with uncertainty (m_{corr}) [kg]:	n/a	n/a

Strength test - 40 m/s opening shock

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Sample data

Name:	Yeti Cross 2	Size:	S
Steerable	No	Maximum weight [kg]:	85
Weight [kg]	1.1	Volume packed [cm ³]:	3600
Serial number:	BM02-QYC20006		

Test data ⁽¹⁾

	Test no. 1	Test no. 2
Place of test	St-Cierges	St-Cierges
Date of test	11.04.2023	11.04.2023
Maximum weight [kg]	85	85
Inspector:	Nicolas Jacquod	Nicolas Jacquod

Atmosphere AGL

	8	7
[°C]	8	7
RH [%]	78	74
[hPa]	968	967
Wind [m/s]	1	0.5

Test results

	Test no. 1	Test no. 2
Strength test (40m/s shock)	POSITIVE	POSITIVE
Aircraft speed uncertainty K=2 [m/s] ⁽²⁾	2.9	2.9



Identification number: **MISC_270.2023**

Gin Gliders Inc. Yeti Cross 2 Inner Container M

Result summary

Inner container strength test. Applied minimum 700 N for at least 10 seconds and at maximum strength.

Duration at the required strength: **16.7 [s]**

Maximum strength before broken: **1169.0 [N]**

Place of declaration: **Villeneuve**
 Date of issue: **09.11.2023**
 Managing director: **Andrea Wigger**

Signature:

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor 10kN SL2	23.08.2028	Burster / MTS	8431-6010-N000S000	593507
Winch	check every 12 month	Arwin	300/600	N/A
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Geos n° 11	22

This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of riser/bridle mentioned above and certifies its conformity with the following standards:
EN 12491:2015+A1:2021⁽⁴⁾ chapter 5.3.2 and NFL 2-565-20 chapter 6.1.8

⁽¹⁾ Inner container: container of the folded emergency parachute.

⁽²⁾ Inner container (the connection between handgrip and inner container) is loaded at min 700 [N] over 10 seconds. The deployment system is loaded until breaking. Each component is tested.

⁽³⁾ Calculated value includes 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 measured lies within the assigned range of values with a probability of 95%.

⁽⁴⁾ This standard is NOT covered by accreditation D-IS-19457-01

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Identification number: **MISC_128.2019**

Gin Gliders Inc. Yeti UL riser

Result summary

Maximum strength for riser, bridle

33596.3 [N]

Place of declaration

Villeneuve

Date of issue:

05.06.2019

Managing director

Alain Zoller

Signature:

This signature approve the validity of the test report, and can be included in the inspection certificate 71.5.1

Air Turquoise SA has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: LTF NFL II 91/09 chapter 6.1.4

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	04/09/2023	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	08/05/2020	JDC elec.	Geos n° 11	22

⁽¹⁾ Riser: lowest part of the parachute system, which is connected to harness. Bridle: connection between riser and harness, can also be a strap.

⁽²⁾ The connecting strap has to have a minimum load capacity of 24000 [N]. The exposed part of the connecting belt has to be protected against environmental factors.

⁽³⁾ Calculated value 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 measured lies within the assigned range of values with a probability of 95%.