AIR TURQUOISE SA | PARA-TEST.COM

Route du Pré-au-Comte 8 🔺 CH-)844 Villeneuve 🔺 +4) (0)2) 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

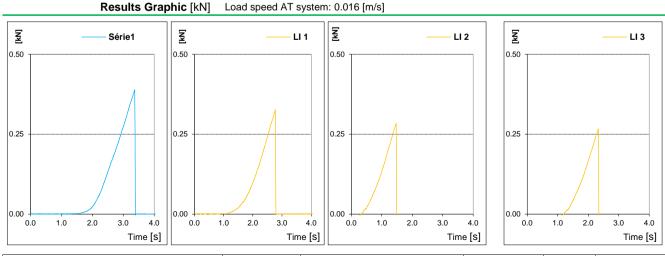


Line Breaking Strength after 5000 bendings LI Line Paragliders

Test Report LI

		1
Test report number:	LI_1042.2021	
Manufacturer data		
Name:	AirDesign Gm	bH
Representative	Stephan Stieg	ler
Street:	Rhomberstras	sse 9, 4. Stock
Post code / place:	A-6067 Absam	1
Country:	Austria	
Sample Data		
Manufacturer:	Edelrid	Line name: 9200
Type no:	35	Diameter [mm]: 0.10
Material core:	Dyneema	Material coat: n/a
Type of seam:	Splice	Color: White
Date of sample reception:	19.11.2021	Test sample length [mm]: 500-550
Remark:		
Test Data		
Standards:	EN 926-1:2015	5/ NfL 2-565-20
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp	ach end, used in the suspension line system are conditioned and then its breaking strength is id forward around a cylinder the same diameter as the nominal diameter of the line given by the entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation omplete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between in. the lowest value out of the three test specimens is measured.
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp	In display the line given by the same diameter as the nominal diameter of the line given by the line point of the bend is to be aligned with the weakest point of the line. The minimum rotation is more than a maximum of 2 s (2 bendings). In pecimen is measured. The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured.
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio	In display the same diameter as the nominal diameter of the line given by the term of the bend is to be aligned with the weakest point of the line. The minimum rotation of the cycle shall take a maximum of 2 s (2 bendings). The speed rate of the test device for applying the load shall be between the maximum of the test device for applying the load shall be between the section of the test device for applying the load shall be between the test device for applying the load shall be between the test device for applying the load shall be between the test device for applying the load shall be between the test device for applying the load shall be between the test device for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying the load shall be between test devices for applying test dev
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test:	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio 23.11.2021	ad forward around a cylinder the same diameter as the nominal diameter of the line given by t entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation implete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue:	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio 23.11.2021	In the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector:	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio 23.11.2021 24.11.2021	ad forward around a cylinder the same diameter as the nominal diameter of the line given by t entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation implete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature:
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: <u>Atmosphere AGL</u> [C°] RH [%]	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio 23.11.2021 24.11.2021 Bending test 21 39	ad forward around a cylinder the same diameter as the nominal diameter of the line given by t entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation implete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: 20 50
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: <u>Atmosphere AGL</u> [C°]	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio 23.11.2021 24.11.2021 Bending test 21	In the lowest value out of the three test specimens is measured. Strength test Test manager signature: Strength test 20
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: <u>Atmosphere AGL</u> [C°] RH [%]	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculatio 23.11.2021 24.11.2021 Bending test 21 39	ad forward around a cylinder the same diameter as the nominal diameter of the line given by the tentre point of the bend is to be aligned with the weakest point of the line. The minimum rotation omplete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: 20 50
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: <u>Atmosphere AGL</u> [C°] RH [%] [hPa]	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sy in. For the calculatio 23.11.2021 24.11.2021 Bending test 21 39 1010	ad forward around a cylinder the same diameter as the nominal diameter of the line given by the tentre point of the bend is to be aligned with the weakest point of the line. The minimum rotation omplete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: 20 50 1009
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: <u>Atmosphere AGL</u> [C°] RH [%] [hPa]	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculation 23.11.2021 24.11.2021 Bending test 21 39 1010 [daN]	ad forward around a cylinder the same diameter as the nominal diameter of the line given by t entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation implete cycle shall take a maximum of 2 s (2 bendings). pecimen is measured The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: 20 50 1009
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: <u>Atmosphere AGL</u> [C°] RH [%] [hPa] <u>Test Results</u> LI Original (no bending)	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculation 23.11.2021 24.11.2021 Bending test 21 39 1010 [daN] 38.9	ad forward around a cylinder the same diameter as the nominal diameter of the line given by the other point of the bend is to be aligned with the weakest point of the line. The minimum rotation omplete cycle shall take a maximum of 2 s (2 bendings). Decimen is measured. The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: Strength test 20 50 1009 Lines shape description after bending:
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: Atmosphere AGL [C°] RH [%] [hPa] Test Results LI Original (no bending) LI 1	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculation 23.11.2021 24.11.2021 Bending test 21 39 1010 [daN] 38.9 32.7	ad forward around a cylinder the same diameter as the nominal diameter of the line given by the entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation omplete cycle shall take a maximum of 2 s (2 bendings). Decimen is measured. The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: Strength test 20 50 1009 Lines shape description after bending: No visible damage
manufacturer of the line (± 0,1 mm) with a minimur required for After 5 000 complete bending cycles, the breaking s 0,7 m/min and 1 m/m Bending test date test: Date of issue: Inspector: Atmosphere AGL [C°] RH [%] [hPa] Test Results LI Original (no bending) LI 1 LI 2	10% is bent back an n of 0,7 mm. The ce a cycle is 350°. A co trength of the test sp in. For the calculation 23.11.2021 24.11.2021 Bending test 21 39 1010 [daN] 38.9 32.7 28.4	ad forward around a cylinder the same diameter as the nominal diameter of the line given by the entre point of the bend is to be aligned with the weakest point of the line. The minimum rotation implete cycle shall take a maximum of 2 s (2 bendings). Decimen is measured. The speed rate of the test device for applying the load shall be between on, the lowest value out of the three test specimens is measured. Strength test date : 24.11.2021 Place of test: Villeneuve Test manager signature: Strength test 20 50 1009 Lines shape description after bending: No visible damage No visible damage

Calculed value include the lowest 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%.



Item	Manufacturer	Type nr.	S/N	Valid	Involved test
Bending machine	JPJ	n/a	n/a	15.12.2025	Line bending test
Load sensor 10kN SL2	Burster / MTS	8431-6010-N000S000	593507	21.04.2026	Line strength test
USB interface	Burster / MTS	9026-V0001	597176	21.04.2026	Line strength test

The validation of this test report is given by the signature of the test manager on page 1/2

AIR TURQUOISE SA | PARA-TEST.COM

Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



ARCHIVE LI

LINE BREAKING STRENGTH after 5000 bendings

LI LINE PARAGLIDERS

Test report number:

LI_1042.2021

Strength test date inspection: 24.11.2021

Manufacturers name : Edelrid

Line name	Type no.	Diameter	Core	Coat	Color
9200	35	0.10	Dyneema	n/a	White
Original [daN]	LI 1 [daN]	LI 2 [daN]		LI 3 [daN]	