



## Riser/Bridle strength test

Identification number: **MISC\_220.2022**

**Test Report**

### Manufacturer data

Manufacturer name: **AirDesign GmbH**  
 Representative: **Stephan Stiegler**  
 Street: **Rhomerstrasse 9, 4. Stock**  
 Post code / Place: **A-6067 Absam**  
 Country: **Austria**

### Sample data <sup>(1)</sup>

Name of riser: **Rescue Risers solo**  
 Serial number: **AN22074306-0**  
 Date of reception: **10.08.2022**

### Test data

### Atmosphere AGL

Place of test: **Villeneuve** **24 [°C]**  
 Date of test: **10.08.2022** **47 RH [%]**  
 Inspector: **Nicolas Jacquod** **1009 [hPa]**

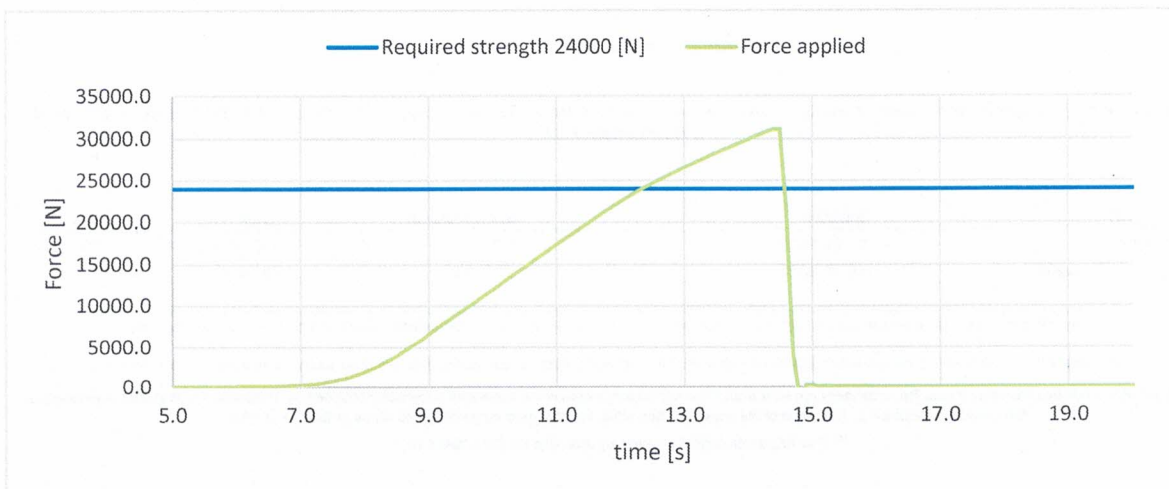
### Required values

Required load [N]: **24000** Minimum duration [s]: **0.3**

### Results <sup>(2)</sup>

Maximum load inc. uncertainty <sup>(3)</sup>: **30942.2 [N]**  
 Duration at the requested load: **2.2 [s]**  
 Test result: **POSITIVE**

### Graphic force diagram





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**AirDesign GmbH Rescue Risers solo**

**Result summary**

Maximum strength for riser, bridle: **30942.2 [N]**  
Duration at the requested load: **2.2 [s]**

Place of declaration: **Villeneuve**  
Date of issue: **18.08.2022**  
Managing director: **Andrea Wigger**

Signature:

This signature approves the validity of the test report

Air Turquoise SA has thoroughly tested the sample of emergency parachute mentioned above and certifies its conformity with the standards: EN 1651:2018+A1:2020<sup>(4)</sup> and NFL 2-565-20 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	18.06.2025	JDC elec.	Geos n° 11	22

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

<sup>(2)</sup> 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.

<sup>(3)</sup> 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%.

<sup>(4)</sup> This standards is NOT covered by accreditation D-IS-19457-01