



## Riser/Bridle strength test

Identification number: **MISC\_210.2022**

**Test Report**

### Manufacturer data

Manufacturer name: **Davinci Products Inc.**  
 Representative: **Jihun Lee**  
 Street: **53 sinchon-gil, Okcheon-myeon, Yangpyeong-gun**  
 Post code / Place: **Gyeonggi-do 12505**  
 Country: **Republic of Korea**

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

Name of riser: **Tandem Bridle**  
 Serial number: **D-TDB-001**  
 Date of reception: **09.08.2021**

### Test data

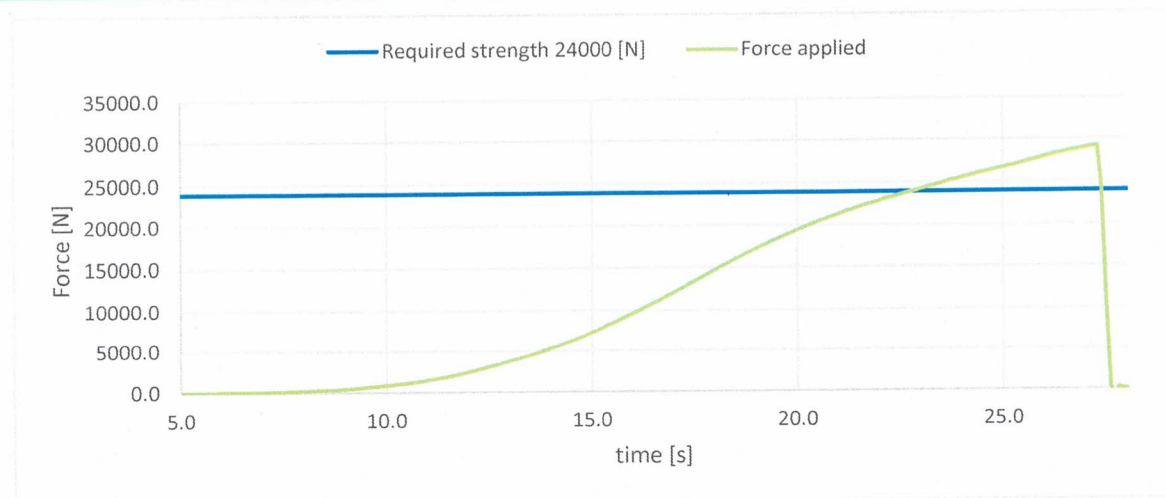
### Atmosphere AGL

Place of test: **Villeneuve** **22 [°C]**  
 Date of test: **11.08.2021** **57 RH [%]**  
 Inspector: **Nicolas Jacquod** **1009 [hPa]**

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

Maximum strength: **POSITIVE** **29043.6 [N]**  
 Includes the uncertainty  $K=2$  [N] <sup>(3)</sup>: **145.5 [N]**

### Graphic force diagram





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**Davinci Products Inc. Tandem Bridle**

**Result summary**

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Maximum strength for riser, bridle: **29043.6 [N]**

Place of declaration: **Villeneuve**  
Date of issue: **16.05.2022**  
Managing director: **Andrea Wigger**

Signature:

This signature approves 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: **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%.