

Riser/Bridle strength test

Identification number: **MISC_278.2024**

Test Report

Manufacturer data

Manufacturer name: **MCC Aviation SA**
 Representative: **Alexandre Paux**
 Street: **Route de Forel 34 - La Tuilière**
 Post code / Place: **1091 Grandvaux**
 Country: **Switzerland**

Sample data ⁽¹⁾

Name of riser: **V-risers SK99**
 Serial number: **VR01**
 Date of reception: **15.04.2024**

Test data

Atmosphere AGL

Place of test:	Villeneuve	22 [°C]
Date of test:	16.04.2024	40 RH [%]
Inspector:	Nicolas Jacquod	1003 [hPa]

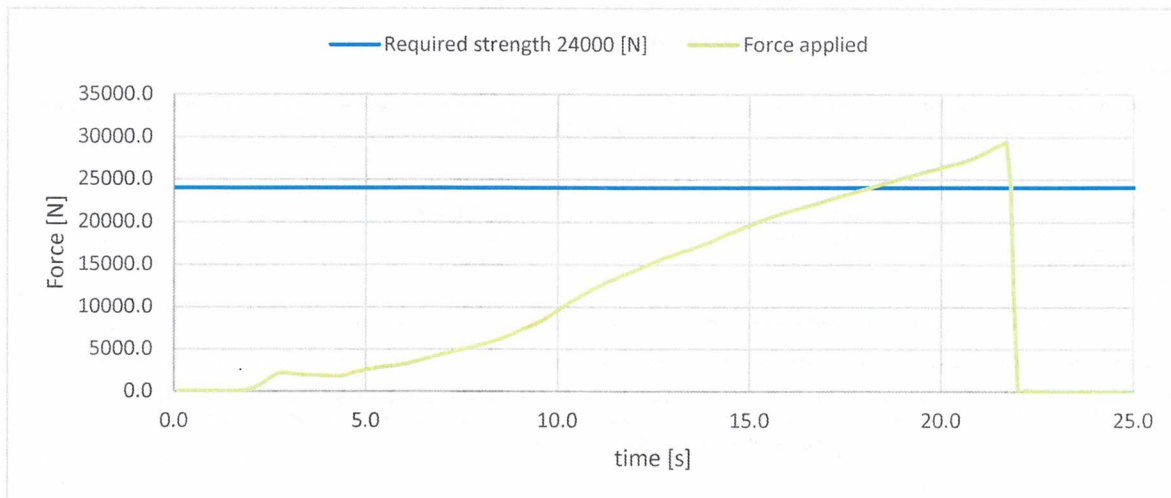
Required values

Required load [N]:	24000	Minimum duration [s]:	0.3
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Results ⁽²⁾

Maximum load inc. uncertainty ⁽³⁾ :	29271.0 [N]
Duration at the requested load:	3.6 [s]
Test result:	POSITIVE

Graphic force diagram





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MCC Aviation SA V-risers SK99

Result summary

Maximum strength for riser, bridle: **29271.0 [N]**
Duration at the requested load: **3.6 [s]**

Place of declaration: **Villeneuve**
Date of issue: **07.01.2025**
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⁽⁴⁾** and **NfL 2-565-20 chapter 6.1.4**

Instrument	Validity	Manufacturer	Type no.	S/N
Load sensor	23.08.2028	HBM	1-S9M/50KN-1	31314652
Geos n° 11 Skywatch	18.06.2025	JDC elec.	Geos n° 11	22

⁽¹⁾ 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.

⁽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 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 standards is NOT covered by accreditation D-IS-19457-01