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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

# PG PARAGLIDERS CCC

## INSPECTION CERTIFICATE

Inspection certificate number: **CCC_015_2016**

### MANUFACTURER DATA

| | |
|---|---|
| Manufacturer name: | **Dudek Paragliders SJ** |
| Representative | **Wojtek Domanski** |
| Street: | **Ul. Centralna 2U** |
| Post code / place: | **86-031 Osielsko** |
| Country: | **Poland** |

### SAMPLE DATA

| | | | |
|---|---|---|---|
| Name: | **CODEN PRO** | Size: | **20** |
| Min weight in flight [kg]: | **80** | Max weight in flight [kg]: | **95** |
| | | Max weight load [kg]: | **130** |
| Weight [kg]: | **5.8** | Use: | **Single-seater** |
| Load serial number: | **P-129431** | Date of reception: | **16.02.2016** |
| Flight serial number : | **P-125031** | Date of reception: | **02.12.2015** |

| TEST REPORT SUMMARY | | RESULTS | PLACE | DATE |
|---|---|---|---|---|
| **PGCCC 1** | 71.8.1 \| SHOCK LOAD TEST: | **POSITIVE** | Yverdon(airport) | **07.03.2016** |
| **PGCCC 2** | 71.8.1 \| SUSTAINED LOAD TEST: | **POSITIVE** | Payerne(airport) | **19.03.2016** |
| **PGCCC 3** | 71.8.2 \| FLIGHT TEST: | **CCC** | Villeneuve | **21.01.2016** |
| **CCC1-6** | CCC technical files 1-6 | **POSITIVE** | Villeneuve | **12.04.2016** |
| **PGCCC 5** | 71.6.3 \| LINE BREAK STRENGTH: | **POSITIVE** | Villeneuve | **21.04.2016** |

### ISSUE DATA

| | |
|---|---|
| Place of declaration: | **Villeneuve** |
| Date of issue: | **22.04.2016** |
| Managing Director: | **Alain Zoller** |

**Signature:**

This signature aprouve the validity of the test reports PG 1 to PG 5 (Only if test report are applicable).

**Air Turquoise SA, having thoroughly assessed the sample mentioned hereunder, declare it was found conform with all requirements defined by the following norms:**

**CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014**

Present declaration's scope only extends to the conformity of a given sample, on a given date and in a given place as mentioned here above.

This inspection report contain the following test and is complete with the test report number:
PG1CCC, PG2CCC, PGCCC3, PG5, CCC 1 TO 6

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# SHOCK LOADING TEST

**TEST REPORT PGCCC 1**

## PG PARAGLIDERS

Test report ref. number: **CCC_015_2016**

### SAMPLE DATA

| | |
|---|---|
| Manufacturer name: | **Dudek Paragliders SJ** |
| Representative | **Wojtek Domanski** |
| Street: | **Ul. Centralna 2U** |
| Post code / place: | **86-031 Osielsko** |
| Country: | **Poland** |

### SAMPLE DATA

| | |
|---|---|
| Name: | **CODEN PRO** |
| Size: | **25** |
| Maximum load [kg]: | **130** |
| Serial number: | **P-129431** |
| Date of reception: | **16.02.2016** |

### TEST DATA

| | |
|---|---|
| Place of test: | **Yverdon(airport)** |
| Date of test: | **07.03.2016** |
| Inspector: | **Alain Zoller** |
| Results: | **POSITIVE** |
| Directive: | **CIVL COMPETITION CLASS \| CCC** / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014 |

The paraglider is subjected to a shock load . Shock load is limited using a weak link accordind weight range.
The weak link breaks or 5 s has elapsed since the application of the shock load. The wing is then visually inspected for damage.

| TEST RESULTS: | | TEST ATMOSPHERE AGL | |
|---|---|---|---|
| Weak link used [daN]: | **1000** | [C°] | 4 |
| Visual inspection: | **No visible damages** | RH [%] | 69 |
| | | [hPa] | 1001 |
| Uncertainty k=2 [%] | **10** | Wind [m/s] | 0.5 |

Weak link value include the uncertainty for weight range test values (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%.

### WEAK LINK

| INSTRUMENTS | Validity | Manufacturer | s/n |
|---|---|---|---|
| Weak link | 2020 | Tost | n/a |
| Cable | 2020 | Rotex | n/a |
| Geos n° 11 Skywatch | 08.05.2017 | JDC elec. | 22 |

The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

# SUSTAINED LOADING TEST

**TEST REPORT PGCCC 2**

## PG PARAGLIDERS

| | |
|---|---|
| Test report ref. number: | **CCC_015_2016** |

### MANUFACTURER DATA

| | |
|---|---|
| Manufacturer name: | **Dudek Paragliders SJ** |
| Representative | **Wojtek Domanski** |
| Street: | **Ul. Centralna 2U** |
| Post code / place: | **86-031 Osielsko** |
| Country: | **Poland** |

### SAMPLE DATA

| | |
|---|---|
| Name: | **CODEN PRO** |
| Size: | **25** |
| Maximum load [kg]: | **130** |
| Serial number: | **P-129431** |
| Date of reception: | **16.02.2016** |

### TEST DATA

| | |
|---|---|
| Place of test: | **Payerne(airport)** |
| Date of test: | **19.03.2016** |
| Inspector: | **Alain Zoller** |
| Results: | **POSITIVE** |
| Directive: | **CIVL COMPETITION CLASS \| CCC** / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014 |

The test specimen is attached to the electronic sensors on the tow vehicle.
A controller is positioned on the tow vehicle in order to operate the paraglider control lines to stabilize the wing.
The speed of the vehicle is increased as gradually as possible, enabling the controller to obtain satisfactory stabilisation of the flight path of the paraglider.
When the paraglider has stabilized, the speed is increased gradually until either:
1) the measured load exceeds a load factor of eight times the maximum total weight in flight recommended by the manufacturer, for a minimum cumulative duration of 3 s; or
2) five peaks separated by at least 0,3 s are obtained above ten times the maximum total weight in flight recommended by the manufacturer, in one run.

### TEST ATMOSPHERE AGL

| | |
|---|---|
| [C°] | **4** |
| RH [%] | **69** |
| [hPa] | **1001** |
| Wind [m/s] | **0.5** |

### RESULTS

| | | |
|---|---|---|
| Required breaking strength value for 3s at 8g [N] | **10202.40** | |
| Required breaking strength value for 5 pics at 10g [N] | **12753.00** | |
| Required breaking strength value for 3s at 8g at coef. 0.9 [N] | **9182.16** | |
| Required breaking strength value for 5 pics at coef. 0.9 [N] | **11477.70** | |
| Uncertainty K=2 [%] | **0.5** | |
| Calculed cumulative duration breaking strength value [s] | **3.19** | |
| Calculed max load value with 3 sec or five peaks [kg] | **130.50** | 0 |

Calculed 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 measurand lies within the assigned range of values with a probability of 95%.

The validation of this test report is given by the signature of the test manager on inspection certificate 71.8.1

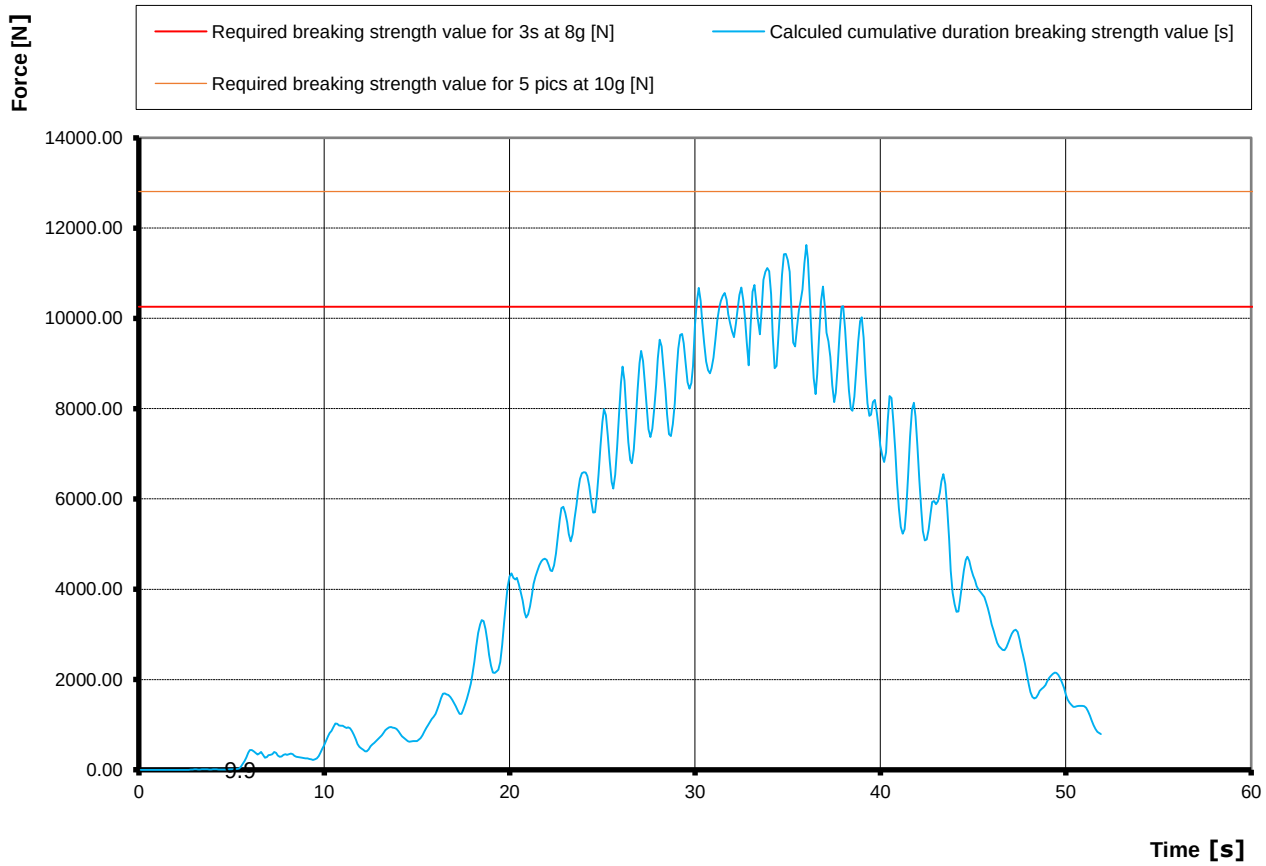
# SUSTAINED LOADING TEST

**TEST REPORT PGCCC 2**

## PG PARAGLIDERS

Test report ref. number: **CCC_015_2016**

### GRAPHIQUE LOAD




### DETAILED RESULTS

| | |
|---|---|
| Calculed max load value with cumulative 3 sec [kg] | **130.50** |
| Calculed max load value with cumulative 3 sec [kg] | **1280.21** |
| Calculed max load value with five peaks [kg] | **106.70** |
| Calculed max load value with five peaks [kg] | **1046.70** |

Calculed 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 measurand lies within the assigned range of values with a probability of 95%.

| Instruments | Manufacturer | Type nr. | S/N |
|---|---|---|---|
| Load sensor | HBM | 1-S9M/50KN-1 | 31314652 |
| Geos n°11 Skywatch | JDC | Geos n° 11 | 0022 |

The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

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# Canopy dimensions REPORT

**CCC 1**

**Test report ref. number: CCC_015_2016**

Name: **CODEN PRO**
Size: **20**
Maximum load [kg]: **95**
Serial number: **P-125031**
Date of reception: **02.12.2015**

Place: **Villeneuve**
Date of measurement: **25.02.2016**
Inspector: **Gilles Berruex**
Results: **POSITIVE**

[C°] **21.5**
RH [%] **45**
[hPa] **1008**

CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014

## Canopy dimensions

| | **RIB nb** from center | **Measure** mm | **Tension** | **Tolerances** |
|---|---|---|---|---|
| **Full Span** | | 12055 | 3KG | 2% |
| **1/2 Trailing Edge** | | 6065 | 3KG | 1% |
| **Chord A** | 1 | 2090 | 25 | 1% |
| **Chord B** | 23 | 1746 | 3KG | 1% |

| **Aspect ratio** 4*span / (chord A+2.5*Chord B) |
|---|
| **7.47** |

| **Nbr cells** (total) |
|---|
| 98 |

## Chord lenght, inlet position, tabs position measured from trailing edge.

**First fully lined RIB of group 1** (from center)

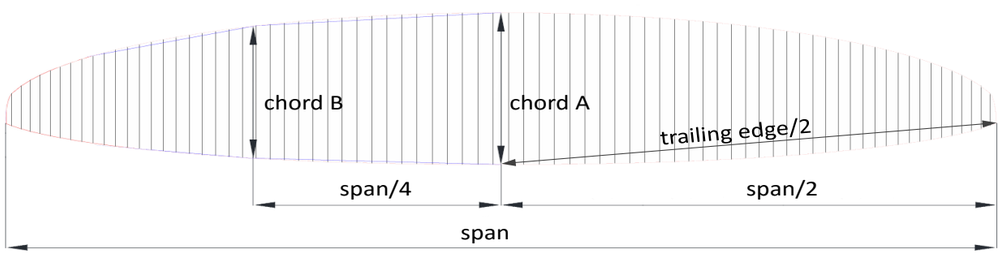
| | Rib n° | Distance | Tension | Tolerances |
|---|---|---|---|---|
| **Chord** | 3 | 2073 | 3KG | +/-10mm |
| **Top of inlet** | 3 | 1992 | 3KG | +/-10mm |
| **Bottom of inlet** | 3 | 1970 | 3KG | +/-10mm |
| **Tab Aa** | 3 | 1805 | 3KG | +/-10mm |
| **Tab Ab** | 3 | 1706 | 3KG | +/-10mm |
| **Tab B** | 3 | 931 | 3KG | +/-10mm |
| **Tab C** | 3 | 661 | 3KG | +/-10mm |

**First fully lined RIB of group 2** (from center)

| | Rib n° | Distance | Tension | Tolerances |
|---|---|---|---|---|
| **Chord** | 23 | 1746 | 3KG | +/-10mm |
| **Top of inlet** | 23 | 1672 | 3KG | +/-10mm |
| **Bottom of inlet** | 23 | 1651 | 3KG | +/-10mm |
| **Tab Aa** | 23 | 1498 | 21.04.2016 | +/-10mm |
| **Tab Ab** | 23 | 1420 | 3KG | +/-10mm |
| **Tab B** | 23 | 771 | 3KG | +/-10mm |
| **Tab C** | 23 | 549 | 3KG | +/-10mm |

**Last lined rib** (stabilo) (from center)

| | Rib n° | Distance | Tension | Tolerances |
|---|---|---|---|---|
| **Chord** | 47 | 636 | 3KG | +/-10mm |
| **Tab A** | 47 | 526 | 3KG | +/-10mm |
| **Tab B** | 47 | 311 | 3KG | +/-10mm |
| | | | | |




The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

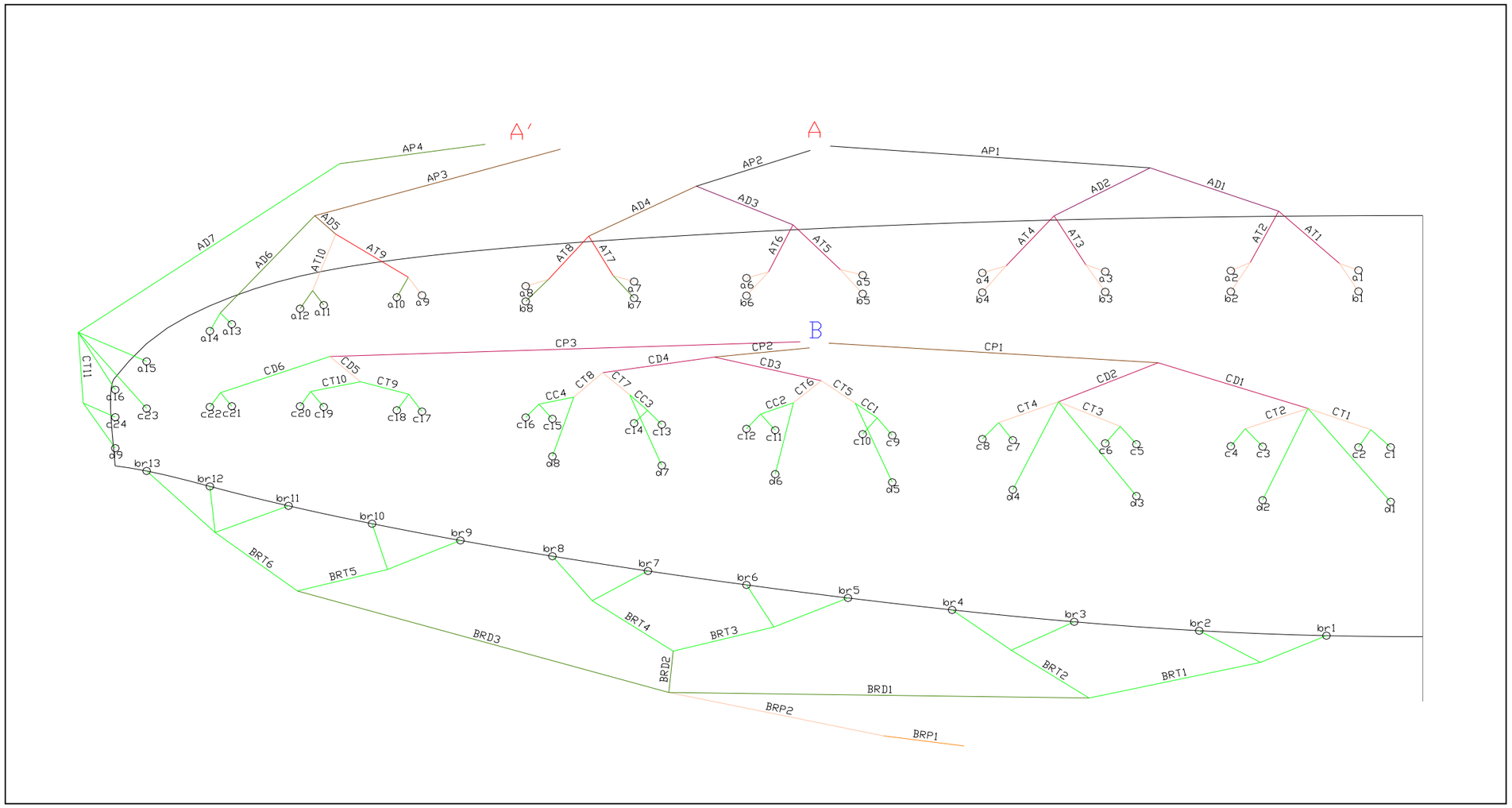
# Line plan REPORT

**CCC 2**

| | | | | | |
|---|---|---|---|---|---|
| Test report ref. number: | **CCC_015_2016** | | | | |
| Name: | **CODEN PRO** | Place: | **Villeneuve** | [C°] | **21.5** |
| Size: | **20** | Date of measurement: | **25.02.2016** | RH [%] | **45** |
| Maximum load [kg]: | **95** | Inspector: | **Gilles Berruex** | [hPa] | **1008** |
| Serial number: | **P-125031** | | | | |
| Date of reception: | **02.12.2015** | Results: | **POSITIVE** | | |

CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014

## Line plan




The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

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# Line measurement

**CCC 3**

Test report ref. number: **CCC_015_2016**

Name: **CODEN PRO** | Place: **Villeneuve** | [C°] **21.5**

Size: **20** | Date of measurement: **25.02.2016** | RH [%] **45**

Maximum load [kg]: **95** | Inspector: **Gilles Berruex** | [hPa] **1008**

Serial number: **P-125031**

Date of reception: **02.12.2015** | Results: **POSITIVE**

CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014

## ABSOLUTE LINE LENGHT from inner riser to canopy in [mm] with 50 [N] of tension

| | | A | | | A' | | | B | | | B' | | | ST | | | BRAKE+STRAP | | | FL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Manual | Glider | Diff | Manual | Glider | Diff | Manual | Glider | Diff | Manual | Glider | Diff | Manual | Glider | Diff | Manual | Glider | Diff | Glider |
| Center | 1 | 7614 | 7623 | 9 | 7592 | 7600 | 8 | 7627 | 7623 | -4 | 7715 | 7712 | -3 | 6687 | 6684 | -3 | 8055 | 8049 | -6 | 7170 |
| | 2 | 7476 | 7479 | 3 | 7451 | 7455 | 4 | 7559 | 7556 | -3 | 7553 | 7549 | -4 | 6677 | 6675 | -2 | 7725 | 7721 | -4 | 7019 |
| | 3 | 7438 | 7438 | 0 | 7415 | 7417 | 2 | 7458 | 7458 | 0 | 7507 | 7501 | -6 | 6625 | 6623 | -2 | 7515 | 7515 | 0 | 6978 |
| | 4 | 7505 | 7504 | -1 | 7483 | 7481 | -2 | 7448 | 7446 | -2 | 7532 | 7533 | 1 | 6644 | 6640 | -4 | 7492 | 7489 | -3 | 7031 |
| | 5 | 7427 | 7420 | -7 | 7406 | 7407 | 1 | 7415 | 7415 | 0 | 7515 | 7511 | -4 | 6736 | 6735 | -1 | 7304 | 7296 | -8 | 6926 |
| | 6 | 7266 | 7264 | -2 | 7246 | 7244 | -2 | 7408 | 7407 | -1 | 7341 | 7338 | -3 | | | | 7185 | 7182 | -3 | 6774 |
| | 7 | 7203 | 7205 | 2 | 7184 | 7188 | 4 | 7461 | 7460 | -1 | 7270 | 7269 | -1 | | | | 7118 | 7115 | -3 | 6693 |
| | 8 | 7238 | 7237 | -1 | 7222 | 7221 | -1 | 7505 | 7502 | -3 | 7278 | 7273 | -5 | | | | 7255 | 7248 | -7 | 6713 |
| | 9 | 7034 | 7026 | -8 | | | | 7434 | 7426 | -8 | | | | | | | 7126 | 7124 | -2 | 6512 |
| | 10 | 6983 | 6978 | -5 | | | | 7371 | 7368 | -3 | | | | | | | 7099 | 7093 | -6 | 6359 |
| | 11 | 6889 | 6886 | -3 | | | | 7259 | 7256 | -3 | | | | | | | 7069 | 7066 | -3 | 6266 |
| | 12 | 6885 | 6879 | -6 | | | | 7252 | 7250 | -2 | | | | | | | 7229 | 7225 | -4 | 6265 |
| | 13 | 6820 | 6812 | -8 | | | | 7198 | 7195 | -3 | | | | | | | 7460 | 7458 | -2 | |
| | 14 | 6819 | 6815 | -4 | | | | 7185 | 7183 | -2 | | | | | | | | | | |
| | 15 | | | | | | | 7218 | 7220 | 2 | | | | | | | | | | |
| | 16 | | | | | | | 7256 | 7256 | 0 | | | | | | | | | | |
| | 17 | | | | | | | 7065 | 7063 | -2 | | | | | | | | | | |
| | 18 | | | | | | | 7012 | 7015 | 3 | | | | | | | | | | |
| | 19 | | | | | | | 6919 | 6920 | 1 | | | | | | | | | | |
| | 20 | | | | | | | 6917 | 6916 | -1 | | | | | | | | | | |
| | 21 | | | | | | | 6835 | 6830 | -5 | | | | | | | | | | |
| Wing tip | 22 | | | | | | | 6836 | 6829 | -7 | | | | | | | | | | |

Risers : **A'**

**CL**: n/a

**RFL**: 658

Uncertainty k2 of measurement **3.00** [mm]

Total length measured from the underside of the wing to the inner edge of the risers and with a tension of 50 [N]

The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

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# Risers measurement REPORT

**CCC 4**

Test report ref. number: **CCC_015_2016**

Name: **CODEN PRO**
Size: **20**
Maximum load [kg]: **95**
Serial number: **P-125031**
Date of reception: **02.12.2015**

Place: **Villeneuve**
Date of measurement: **25.02.2016**
Inspector: **Gilles Berruex**
Results: **POSITIVE**

[C°] **21.5**
RH [%] **45**
[hPa] **1008**

CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014

## Riser length Manual with carabiner

| | A | A' | B | B' | | calculated Δt | Tension | Tolerances | Attachment rod diameter in mm |
|---|---|---|---|---|---|---|---|---|---|
| Neutral | 527 | 527 | 527 | | | 0 | 5KG | +/-5mm | 5 |

| Full speed setting | | 25 |
|---|---|---|
| A-A' | 45 | +/-5mm |
| A-B | 100 | +/-5mm |

| Full speed setting | | Tolerances |
|---|---|---|
| A'-B | 55 | +/-5mm |
| | | |

| | | |
|---|---|---|
| Total speed Range (Δa+Δt) | 100 | +/-5mm |

**Riser length Manual with carabiner in [mm] with 50 [N] of tension**

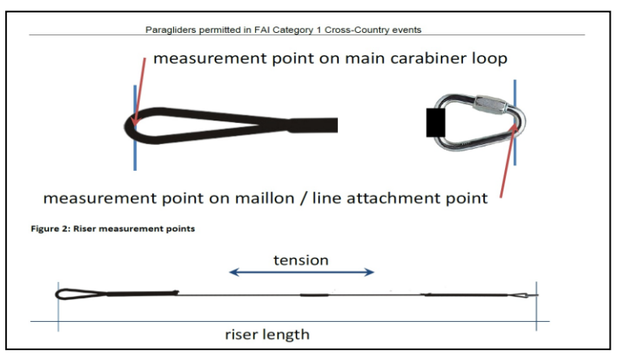
| | A | A' | B | B' | | calculated Δt | Tension | Tolerances | Attachment rod diameter in mm |
|---|---|---|---|---|---|---|---|---|---|
| Neutral | 532 | 532 | 531 | | | 1 | 5KG | +/-5mm | 5 |

| Full speed setting | | Tolerances |
|---|---|---|
| A-A' | 43 | +/-5mm |
| A-B | 100 | +/-5mm |

| Full speed setting | | Tolerances |
|---|---|---|
| A'-B | 57 | +/-5mm |
| | | |

| | | |
|---|---|---|
| Total speed Range (Δa+Δt) | 101 | +/-5mm |

21.04.2016




## Riser draw

The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

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# Line quality

**CCC 5**

Test report ref. number: **CCC_015_2016**

Name: **CODEN PRO**
Size: **20**
Maximum load [kg]: **95**
Serial number: **P-125031**
Date of reception: **02.12.2015**

Place: **Villeneuve**
Date of measurement: **25.02.2016**
Inspector: **Gilles Berruex**
Results: **POSITIVE**

[C°] **21.5**
RH [%] **45**
[hPa] **1008**

CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014

## Table of lines quality

**CodenPro-20**
**The tables / Tables / Tabele:**
**The individual lenghts and type of line**
**La longueur et le type de chaque** 25
**Długości i rodzaj poszczególnych linek**

| | a | b | c | d | br |
|---|---|---|---|---|---|
| 1 | 240 | 217 | 242 | 1554 | 718 |
| 2 | 241 | 217 | 175 | 1392 | 388 |
| 3 | 239 | 215 | 204 | 1381 | 499 |
| 4 | 239 | 217 | 194 | 1411 | 475 |
| 5 | 237 | 216 | 199 | 909 | 495 |
| 6 | 237 | 217 | 192 | 740 | 376 |
| 7 | 236 | 214 | 173 | 687 | 312 |
| 8 | 234 | 214 | 217 | 670 | 448 |
| 9 | 216 | | 220 | 295 | 423 |
| 10 | 160 | | 157 | | 396 |
| 11 | 166 | | 196 | | 400 |
| 12 | 162 | | 189 | | 560 |
| 13 | 158 | | 196 | | 791 |
| 14 | 157 | | 184 | | |
| 15 | 538 | | 170 | | |
| 16 | 476 | | 208 | | |
| 17 | | | 208 | | |
| 18 | | | 156 | | |
| 19 | | | 161 | | |
| 20 | | | 159 | | |
| 21 | | | 156 | | |
| 22 | | | 157 | | |
| 23 | | | 528 | | |
| 24 | | | 198 | | |

**The total lenghts**
**Longueur des suspentes**
**Sumaryczna długość linek**

| | a | b | c | d | br |
|---|---|---|---|---|---|
| 1 | 7614 | 7592 | 7627 | 7715 | 8055 |
| 2 | 7476 | 7451 | 7559 | 7553 | 7725 |
| 3 | 7438 | 7415 | 7458 | 7507 | 7515 |
| 4 | 7505 | 7483 | 7448 | 7532 | 7492 |
| 5 | 7427 | 7406 | 7415 | 7515 | 7304 |
| 6 | 7266 | 7246 | 7408 | 7341 | 7185 |
| 7 | 7203 | 7184 | 7461 | 7270 | 7118 |
| 8 | 7238 | 7222 | 7505 | 7278 | 7255 |
| 9 | 7034 | | 7434 | 6736 | 7126 |
| 10 | 6983 | | 7371 | | 7099 |
| 11 | 6889 | | 7259 | | 7069 |
| 12 | 6885 | | 7252 | | 7229 |
| 13 | 6820 | | 7198 | | 7460 |
| 14 | 6819 | | 7185 | | |
| 15 | 6687 | | 7218 | | |
| 16 | 6625 | | 7256 | | |
| 17 | | | 7065 | | |
| 18 | | | 7012 | | |
| 19 | | | 6919 | | |
| 20 | | | 6917 | | |
| 21 | | | 6835 | | |
| 22 | | | 6836 | | |
| 23 | | | 6677 | | |
| 24 | | | 6644 | | |

| | AT | BT | CT | CC | BRT |
|---|---|---|---|---|---|
| 1 | 1156 | | 1241 | 620 | 1477 |
| 2 | 1016 | | 1115 | 474 | 1157 |
| 3 | 1007 | | 1112 | 431 | 999 |
| 4 | 1074 | | 1184 | 457 | 998 |
| 5 | 1077 | | 368 | | 669 |
| 6 | 917 | | 362 | | 639 |
| 7 | 858 | | 362 | | |

**Technora A 8000U-050 70mm loops:** XXXX
**Technora A 8000U-050:** XXXX
**Technora A 8000U-070 70mm loops:** XXXX

| | | | | |
|---|---|---|---|---|
| 8 | 895 | | 387 | |
| 9 | 738 | | 691 | |
| 10 | 637 | | 592 | |
| 11 | | | 304 | |

| | AD | BD | CD | DD | BRD |
|---|---|---|---|---|---|
| 1 | 973 | | 880 | | 2234 |
| 2 | 946 | | 845 | | 2182 |
| 3 | 722 | | 864 | | 2407 |
| 4 | 698 | | 846 | | |
| 5 | 880 | | 842 | | |
| 6 | 1419 | | 1332 | | |
| 7 | 4825 | | | | |

| | AP | BP | CP | DP | BRP |
|---|---|---|---|---|---|
| 1 | 4831 | | 4814 | | 1900 |
| 2 | 4976 | | 4927 | | 1713 |
| 3 | 4756 | | 4851 | | |
| 4 | 810 | | | | |

| | |
|---|---|
| **Technora A 8000U-070:** | XXXX |
| **Technora A 8000U-090:** | XXXX |
| **Technora A 8000U-120:** | XXXX |
| **Technora A 8000U-130:** | XXXX |
| **Technora A 8000U-200:** | XXXX |
| **Technora A 8000U-230:** | XXXX |
| **Technora A 8000U-280:** | XXXX |
| **Technora A 8000U-360:** | XXXX |
| **TSL00-0090-086:** | XXXX |
| **TSL00-0190-059:** | XXXX |

**Load calculation**

| a5 & a4 | a3 | a2 | a1 | b5 & b4 | c5 | c4 | c3 | c2 | c1 | d5 | d4 | d3 | br5 | br4 | br3 | br2 | br1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56 | 68.8 | 121 | 195.5 | 56 | 25.6 | 25.6 | 56 | 94.1 | 172 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 29.2 | 94.1 | 91.4 |
| 56 | 68.8 | | | 56 | 25.6 | 25.6 | | | | | | | 25.6 | | | | |
| 56 | 68.8 | 121 | | 56 | 25.6 | 25.6 | 56 | | | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | | | |
| 56 | 68.8 | | | 56 | 25.6 | 25.6 | | | | | | | 25.6 | | | | |
| 56 | 68.8 | 121 | 195.5 | 56 | 25.6 | 25.6 | 56 | 94.1 | | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 29.2 | | |
| 56 | 68.8 | | | 56 | 25.6 | 25.6 | | | | | | | 25.6 | | | | |
| 56 | 57.9 | 94.1 | | 29.2 | 25.6 | 25.6 | 56 | | | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | | | |
| 56 | 57.9 | | | 29.2 | 25.6 | 25.6 | | | | | | | 25.6 | | | | |
| 56 | 57.9 | 94.1 | 121 | | 25.6 | 25.6 | 56 | 68.8 | 121 | 25.6 | 25.6 | | 25.6 | 25.6 | 29.2 | | |
| 29.2 | | | | | 25.6 | | | | | | | | 25.6 | | | | |
| 29.2 | 56 | | | | 25.6 | 25.6 | 56 | | | 25.6 | 25.6 | | 25.6 | 25.6 | | | |
| 29.2 | | | | | 25.6 | | | | | | | | 25.6 | | | | |
| 25.6 | 25.6 | 29.2 | | | 25.6 | 25.6 | 56 | 68.8 | | 25.6 | 25.6 | | 25.6 | | | | |
| 25.6 | 25.6 | | | | 25.6 | | | | | | | | | | | | |
| 25.6 | 25.6 | 29.2 | 38.7 | | 25.6 | 25.6 | 56 | | | 25.6 | 25.6 | | | | | | |
| 25.6 | 25.6 | | | | 25.6 | | | | | | | | | | | | |
| | | | | | 25.6 | 25.6 | 25.6 | 56 | 68.8 | | | | | | | | |
| | | | | | 25.6 | 25.6 | | | | | | | | | | | |
| | | | | | 25.6 | 25.6 | 25.6 | | | | | | | | | | |
| | | | | | 25.6 | 25.6 | | | | | | | | | | | |
| | | | | | 25.6 | 25.6 | 25.6 | 25.6 | | | | | | | | | |
| | | | | | 25.6 | 25.6 | 25.6 | | | | | | | | | | |
| | | | | | 25.6 | 25.6 | 25.6 | | | | | | | | | | |
| | | | | | 25.6 | 25.6 | 25.6 | | | 25.6 | 25.6 | | | | | | |
| 694 | 744.9 | 609.6 | 550.7 | 394.4 | 614.4 | 512 | 601.6 | 407.4 | 361.8 | 230.4 | 230.4 | 102.4 | 332.8 | 153.6 | 87.6 | 94.1 | 91.4 |

**Max weigh** 130

| | Sum A;B | | 14 x g x [max weight in flight] | | |
|---|---|---|---|---|---|
| 1 | 1825 | > | 1785.42 | > | 1400 |
| 2 | 2034 | | | | |
| 3 | 2897.8 | | | | |

| | |
|---|---|
| **Technora A 8000U-050:** | 25.6 |
| **Technora A 8000U-070:** | 29.2 |

| | |
|---|---|
| **4** | 3661.6 |
| **5** | 3866.4 |

| | |
|---|---|
| **Technora A 8000U-090:** | **56** |
| **Technora A 8000U-120:** | **57.9** |
| **Technora A 8000U-130:** | **68.8** |
| **Technora A 8000U-200:** | **94.1** |
| **Technora A 8000U-230:** | **121** |
| **Technora A 8000U-280:** | **172** |
| **Technora A 8000U-360:** | **195.5** |
| **Technora TSL 90:** | **38.7** |
| **Technora TSL 190:** | **91.4** |

The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC

**AIR TURQUOISE SA** | Rte du Pré-au-Comte 8 | CH-1844 Villeneuve | +41 (0)21 965 6565
Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

# Drawings

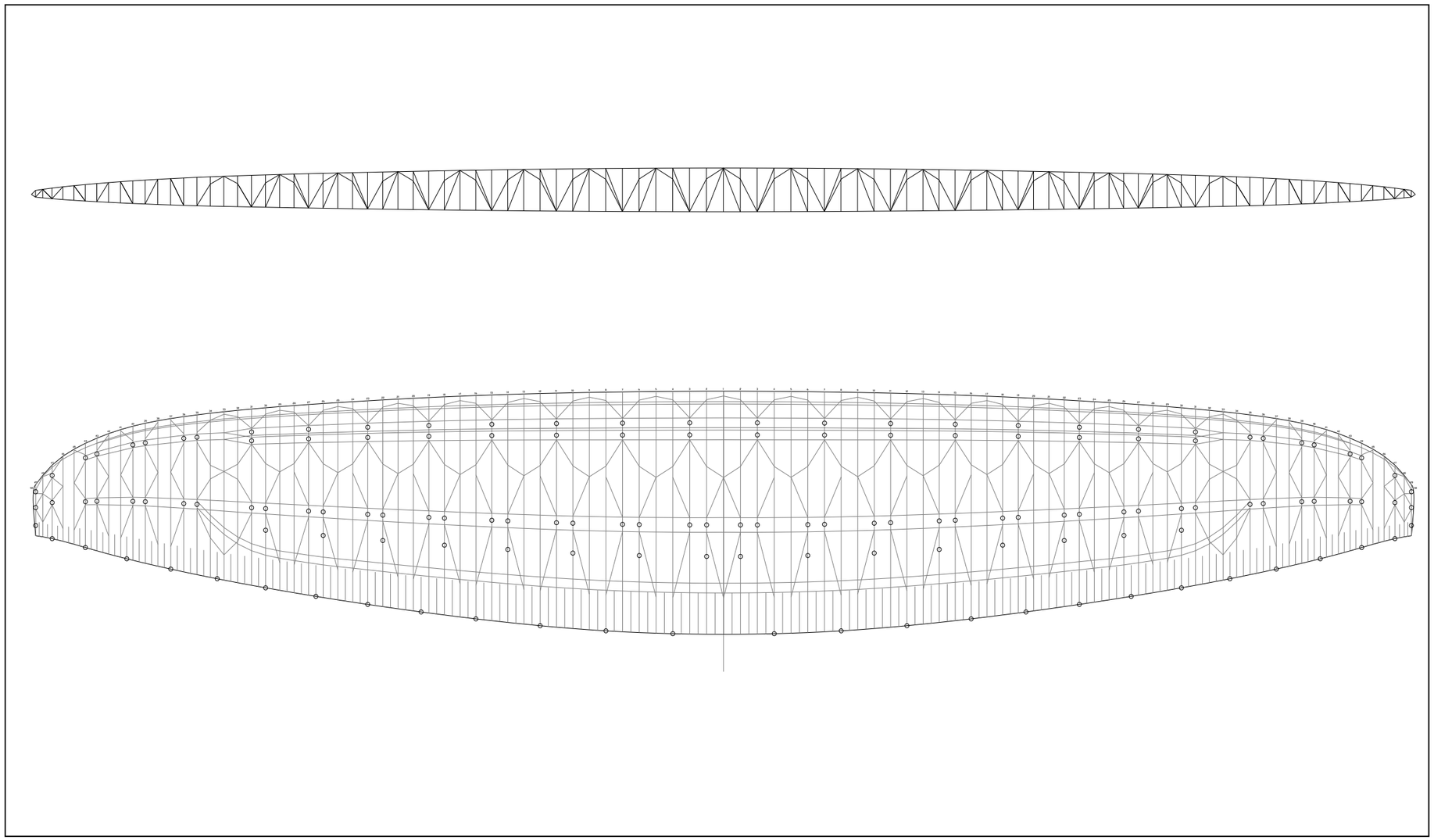
**CCC 6**

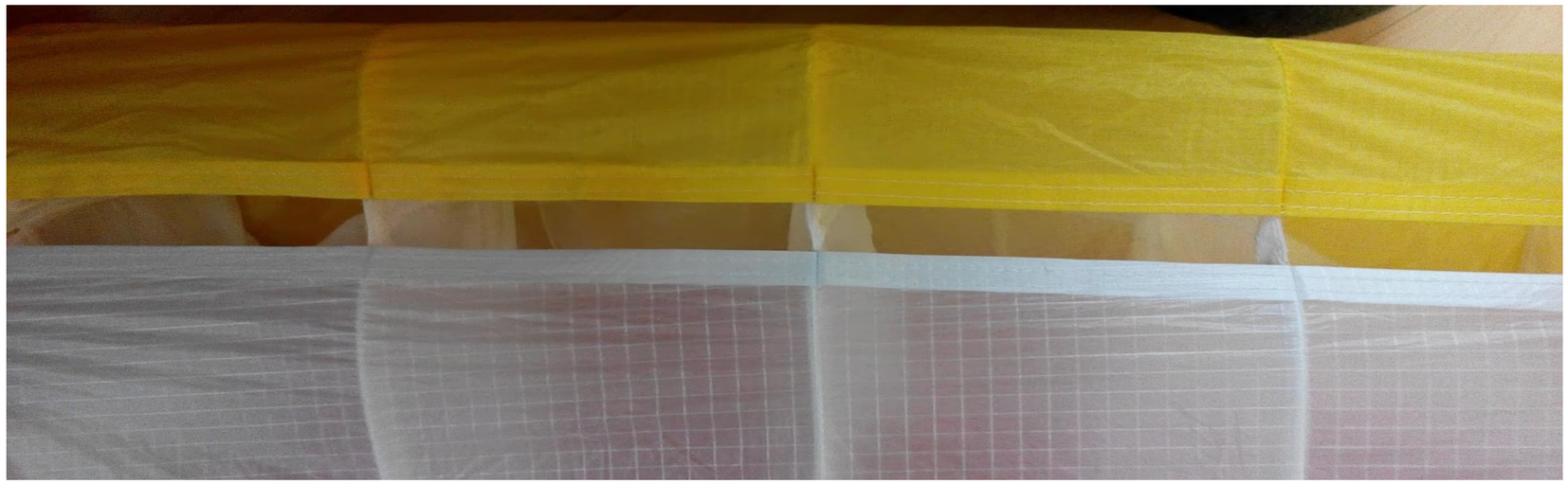
Test report ref. number: **CCC_015_2016**

| | | | | | |
|---|---|---|---|---|---|
| Name: | **CODEN PRO** | Place: | **Villeneuve** | [C°] | **21.5** |
| Size: | **20** | Date of measurement: | **25.02.2016** | RH [%] | **45** |
| Maximum load [kg]: | **95** | Inspector: | **Gilles Berruex** | [hPa] | **1008** |
| Serial number: | **P-125031** | | | | |
| Date of reception: | **02.12.2015** | Results: | **POSITIVE** | | |

CIVL COMPETITION CLASS | CCC / 2015 Edition / Revision 3.5 / CIVL 01 Sept 2014

## Tension bands, Diagonals and internal structure, Mini rib position, Inlet shape





The validation of this test report is given by the signature of the test manager on inspection certificate CCC Inspection certificate / 71.8.1 CCC