

# Harness Structural test Report

Inspection certificate number: **PH\_240.2018**
**Manufacturer data:**

Manufacturer name: **Cordages Barry Ltée**  
 Representative: **Benoit Thibert**  
 Street: **6110, Boulevard des Grandes Prairies**  
 Post code place: **Montréal, Québec**  
 Country: **H1P 1A2 Canada**

**Sample data:**

Name: **Sky-1012**  
 Type: **ABS**  
 Size: **L**  
 Serial number: **Lot#01/07.18**  
 Impact pad type: <sup>(1)</sup> **n/a**  
 Clip-in weight [kg]: **136**

Date of test: **Villeneuve**

**Skyline harness (Tyrolienne), not for paragliding !**

**Atmosphere AGL:**

|        |              |
|--------|--------------|
| [C°]   | <b>27.1</b>  |
| RH [%] | <b>49</b>    |
| [hPa]  | <b>971.3</b> |

**Summary of Structural test**

| Test id | - EN 1651 | Setup                          | Req. Load [g] | Req. Load [N] | Min. duration [s] | Result          |
|---------|-----------|--------------------------------|---------------|---------------|-------------------|-----------------|
| R0      | ✓ 5.3.2.1 | Default flying position        | 6             | 8160          | 10                | <b>POSITIVE</b> |
| R2      | ✓ 5.3.2.2 | Default flying position        | 15            | 20400         | 5                 | <b>POSITIVE</b> |
| R4      | ✓ 5.3.2.7 | Flying position before landing | 15            | 20400         | 5                 | <b>POSITIVE</b> |
| R6      | 5.3.2.4   | Rescue attachments             | 15            | 20400         | 5                 | <b>n/a</b>      |
| R8      | ✓ 5.3.2.3 | Asymmetric, one riser          | 6             | 8160          | 10                | <b>POSITIVE</b> |
| R9      | 5.3.2.5   | Towing                         | 5             | 6800          | 10                | <b>n/a</b>      |
| R10     | 5.3.2.6   | Asymmetric, negative           | 4.5           | 6120          | 10                | <b>n/a</b>      |

**Rescue deployment test**

| Test id | - NfL II 91/09 | Setup                   | Min load [N] | Max. load [N] | Measured [N] | Result     |
|---------|----------------|-------------------------|--------------|---------------|--------------|------------|
| RRDT    | 6.1.5          | Default flying position | 20           | 70            | <b>0.00</b>  | <b>n/a</b> |

**Rescue Deployment Handle strength test**

| Test id | - EN 12491 | Setup                    | Req. Load [N] | Min. duration [s] | Breaking strength [N] | Result     |
|---------|------------|--------------------------|---------------|-------------------|-----------------------|------------|
| RRST    | 5.3.2      | Two end points of handle | 700           | 10                | <b>0.00</b>           | <b>n/a</b> |

| Manufacture | Instrument         | Type no      | S/N      | Validity Calibration |
|-------------|--------------------|--------------|----------|----------------------|
| HBM         | Load Sensor GE01   | 1-S9M/50KN-1 | 31314643 | 14.10.2019           |
| Burster     | Sensor Burster     | 8431-10000   | 1185483  | 01.06.2020           |
| JDC elec    | Geos n°11 Skywatch | Geos n°11    | 22       | 08.05.2019           |

The validation of this test report is given by the signature of the test manager on the Inspection Certificate no 94.20

<sup>(1)</sup> If Impact pad available, see test report no. 94.22 and inspection certificate no. 94.20

Calculated value in tests reports 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%.

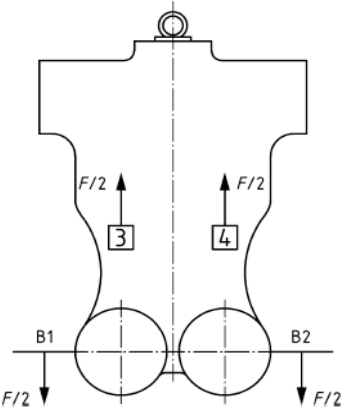
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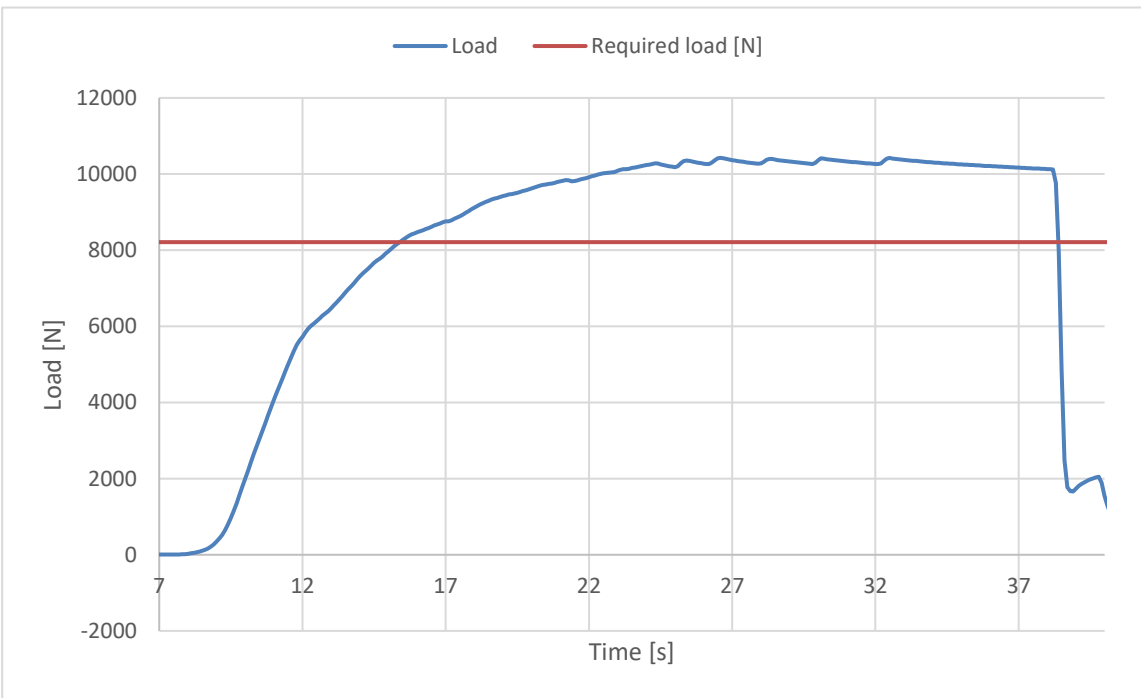
Inspection certificate number: **PH\_240.2018**

model: **Sky-1012 L**

**Harness Structural test**

**Test ID R0**

|                                 |   |  |
|---------------------------------|---|--|
| Standard                        | <b>EN 1651:1999</b>                     |  |
| Reference in standard           | <b>5.3.2.1</b>                          |  |
| Test setup                      | <b>Default flying position</b>          |  |
| Attachment points               | <b>Both main riser attachment (3,4)</b> |  |
| Anchor points                   | <b>Dummy (B1, B2)</b>                   |  |
| Required load [g]               | <b>6</b>                                |  |
| Required load [N]               | <b>8160</b>                             |  |
| Minimum test duration [s]       | <b>10</b>                               |  |
| <b>Result</b>                   |   |  |
| Test duration [s]               | <b>23</b>                               |  |
| Any signs of structural failure | <b>No</b>                               |  |
| Test results                    | <b>POSITIVE</b>                         |  |



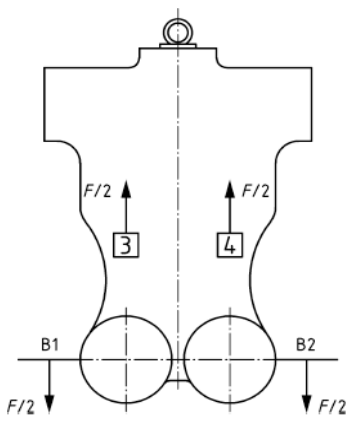
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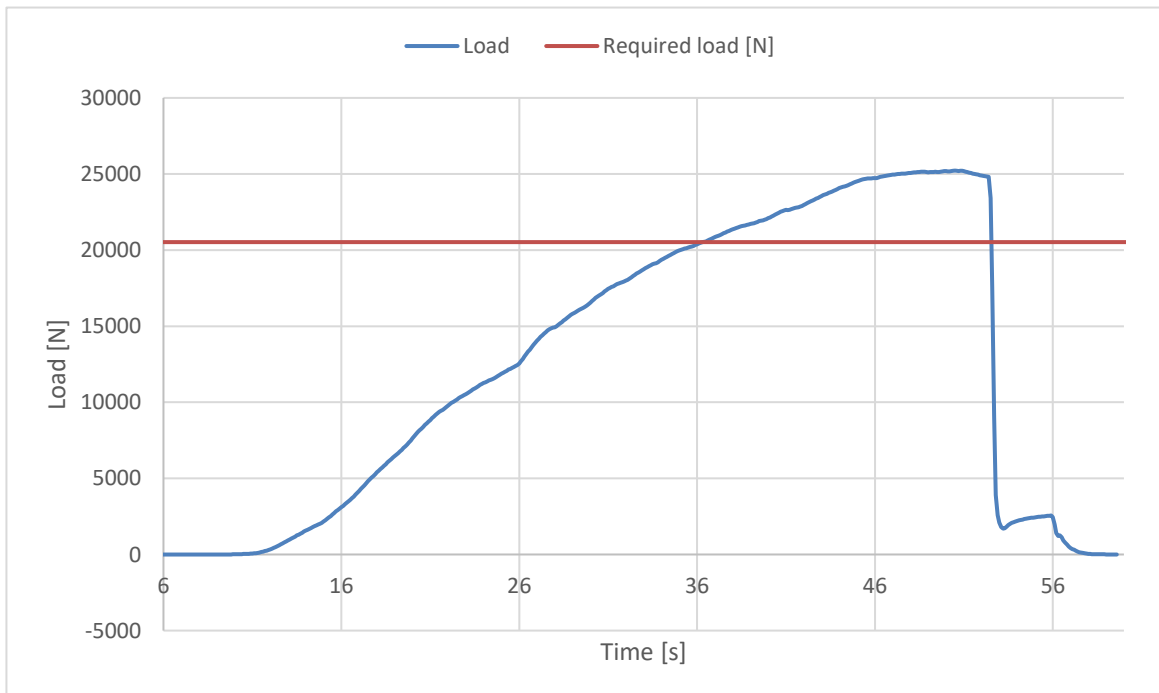
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model: **Sky-1012 L**

**Harness Structural test**

**Test ID R2**

|                                 |   |  |
|---------------------------------|---|--|
| Standard                        | <b>EN 1651:1999</b>                     |  |
| Reference in standard           | <b>5.3.2.2</b>                          |  |
| Test setup                      | <b>Default flying position</b>          |  |
| Attachment points               | <b>Both main riser attachment (3,4)</b> |  |
| Anchor points                   | <b>Dummy (B1, B2)</b>                   |  |
| Required load [g]               | <b>15</b>                               |  |
| Required load [N]               | <b>20400</b>                            |  |
| Minimum test duration [s]       | <b>5</b>                                |  |
| <b>Result</b>                   |   |  |
| Test duration [s]               | <b>16.3</b>                             |  |
| Any signs of structural failure | <b>No</b>                               |  |
| Test results                    | <b>POSITIVE</b>                         |  |



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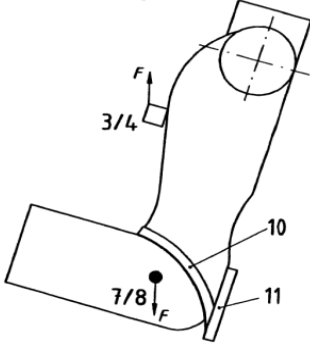
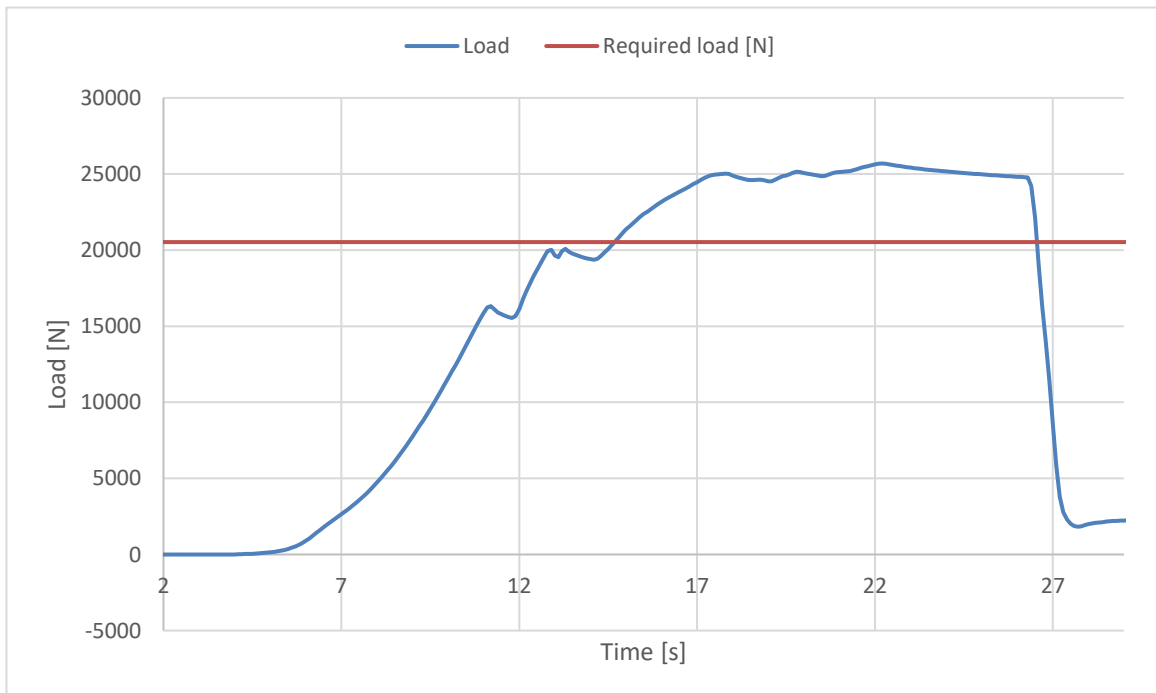
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model: **Sky-1012 L**

**Harness Structural test**

**Test ID R4**

|                                 |   |
|---------------------------------|---|
| Standard                        | <b>EN 1651:1999</b>                     |
| Reference in standard           | <b>5.3.2.7</b>                          |
| Test setup                      | <b>Flying position before landing</b>   |
| Attachment points               | <b>Both main riser attachment (3,4)</b> |
| Anchor points                   | <b>Dummy (7,8)</b>                      |
| Required load [g]               | <b>15</b>                               |
| Required load [N]               | <b>20400</b>                            |
| Minimum test duration [s]       | <b>5</b>                                |
| <b>Result</b>                   |   |
| Test duration [s]               | <b>11.9</b>                             |
| Any signs of structural failure | <b>No</b>                               |
| Test results                    | <b>POSITIVE</b>                         |

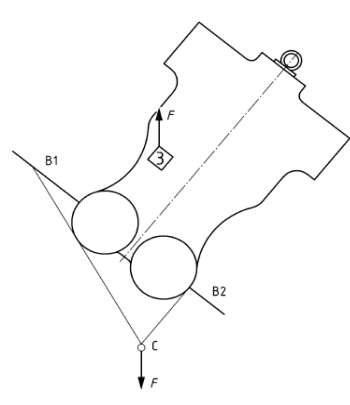
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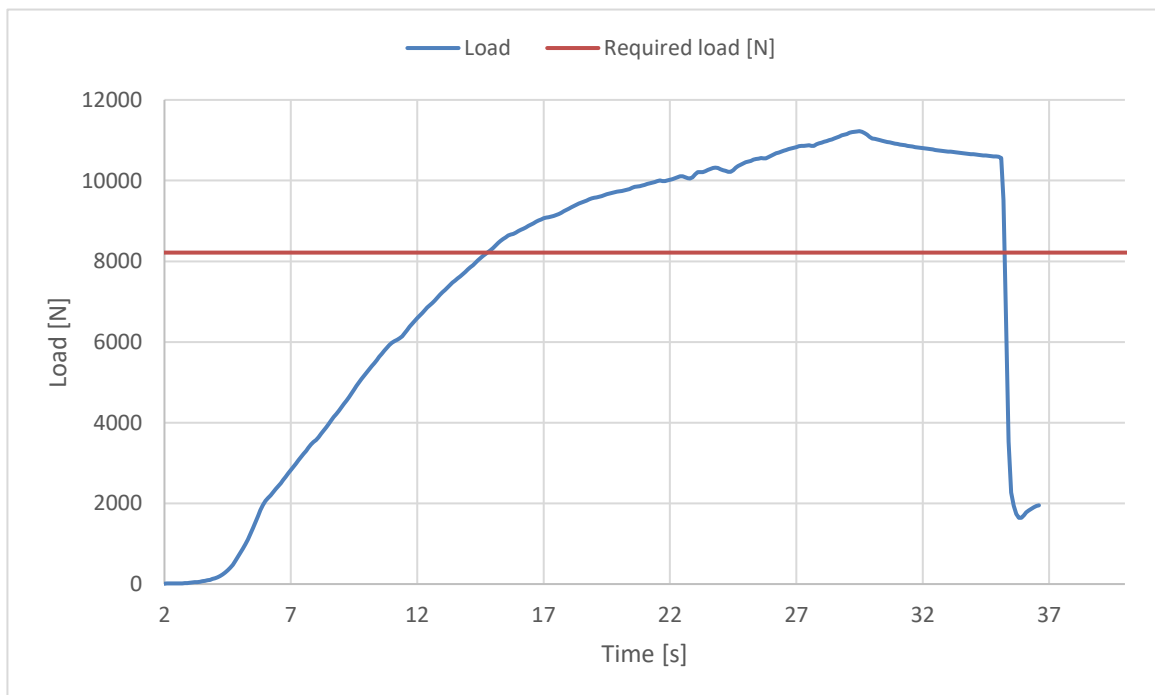
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model: **Sky-1012 L**

**Harness Structural test**

**Test ID R8**

|                                 |                                      |  |
|---------------------------------|--------------------------------------|--|
| Standard                        | <b>EN 1651:1999</b>                  |  |
| Reference in standard           | <b>5.3.2.3</b>                       |  |
| Test setup                      | <b>Asymmetric, one riser</b>         |  |
| Attachment points               | <b>One main riser attachment (3)</b> |  |
| Anchor points                   | <b>Dummy (B1,B2)</b>                 |  |
| Required load [g]               | <b>6</b>                             |  |
| Required load [N]               | <b>8160</b>                          |  |
| Minimum test duration [s]       | <b>10</b>                            |  |
| <b>Result</b>                   |                                      |  |
| Test duration [s]               | <b>20.5</b>                          |  |
| Any signs of structural failure | <b>No</b>                            |  |
| Test results                    | <b>POSITIVE</b>                      |  |



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