



## Test report and manufacturer record

### CCC Revision 3.5 Paragliders permitted in FAI Category 1 Cross-Country events

#### I. Manufacturer

Company: **Kortel Design**  
Address: **1096, avenue André Lasquin, 74700 Sallanches**

#### II. Test Laboratory

Company: **Deutscher Hängegleiterverband e.V. im DaeC, DHV Musterprüfstelle**  
Address: **Miesbacher Straße 2, 83703 Gmund am Tegernsee, Germany**

#### III. Test specimen

|  |                          |
|--|--------------------------|
| Model:                                   | <b>Kortel Kross XS</b>   |
| Min. take off weight [kg]                | <b>75</b>                |
| Max. take off weight [kg]                | <b>94</b>                |
| Serial number (Manufacturer):            | <b>500102</b>            |
| Year and month of manufacture            | <b>2015/04</b>           |
| Test reference number (Test Laboratory): | <b>DHV GS CCC-006-15</b> |

#### IV. Test pilots

Manufacturer: **Pascal Purin**  
Test Laboratory: **Reiner Brunn**

#### V. Results of measurements program, checks and required drawings

|                                       |   |
|---------------------------------------|---|
| Canopy dimension:                     | <b>See Measurement File</b>   |
| Leading-and trailing edge shape test  |   |
| CCC Rev.3.5; 7.5.2):                  | <b>Negative <input type="checkbox"/>   Positive <input checked="" type="checkbox"/></b> |
| Line attachment points:               | <b>See Measurement File</b>   |
| Line lengths:                         | <b>See Measurement File</b>   |
| Riser set:                            | <b>See Measurement File</b>   |
| Symmetric folding lines check         | <b>Negative <input type="checkbox"/>   Positive <input checked="" type="checkbox"/></b> |
| Asymmetric folding line check:        | <b>Negative <input type="checkbox"/>   Positive <input checked="" type="checkbox"/></b> |
| Folding line attachment points check: | <b>Negative <input type="checkbox"/>   Positive <input checked="" type="checkbox"/></b> |



**VI. Results of flight test program**

| Test manoeuvres  | Negative | Positive |
|--|----------|----------|
| Speeds in straight flight test   |          | X        |
| Control movement test  |          | X        |
| Pitch stability exiting accelerated flight test  |          | X        |
| Pitch stability operating controls during accelerated flight test                      |          | X        |
| Symmetric front collapse test at trim speed  |          | X        |
| Symmetric front collapse test at maximum speed   |          | X        |
| Exiting deep stall (parachutal stall) test   |          | X        |
| High angle of attack recovery test   |          | X        |
| Recovery from a developed full stall test  |          | X        |
| Small asymmetric collapse test at trim speed   |          | X        |
| Small asymmetric collapse test at maximum speed  |          | X        |
| Large asymmetric collapse test at trim speed   |          | X        |
| Large asymmetric collapse test at maximum speed  |          | X        |
| Directional control with a maintained asymmetric collapse test                         |          | X        |
| Trim speed spin tendency test  |          | X        |
| Behaviour exiting a fully developed spiral div   |          | X        |
| Alternative means of directional control   |          | X        |
| Quick descent option in straight flight  |          | X        |
| Testing any other flight procedure and/or configuration described in the user's manual |          | X        |

**VII. Results of stability test program**

**Kortel Kross XS, Sr.Nr.: 500099**

Shock load test (weak link) [daN]: **800**  
 Sustained load [daN]  
 (max. load over 3 seconds): **918,7**  
 Damage: **Yes  | No**   
 Calculated max. weight ( $W_{max}$ ) [daN]: **1880**  
 All line samples > 20 daN: **Yes  | No**

**VIII. Additional material**

Video recordings: **Negative  | Positive**   
 Manufacturing record: **Negative  | Positive**   
 User's manual: **Revision: 1.0 | Date: 07/2014**  
**Negative  | Positive**

26/04/16  
 Kortel Design  
 1096, av André lasquin  
 74700 Sallanches  
 Date, signature manufacturer

Date, signature DHV Musterprüfstelle