

# Inspection report

Paraglider

Preceding report

- none -

This report replaces the issue X  
from XX.XX.XX

Ausgabe 0  
english version

Documentation number  
Subcontract

**EAPR-GS-0479/16**

Schock-/Belastungstest

Customer

**Fly market GmbH & Co. KG**

Am Schönebach 3  
87637 Eisenberg  
Deutschland

Order from

15.12.2015

Order entrance

15.12.2015

Contents of order

Determining the classification and sufficient strength of a paraglider

Kind of order

comprehensive                      reference                      none

Place of Inspection

87730 Bad Grönenbach, Sitz der Inspektionsstelle

Inspection item

**Airtaxi M**

Serial number

2k15-at-5a-072

Condition new

Inspection basis

**LTF 91/09, Pkt. 1., 3., 10., Anhang I, -  
EN 926-2 - EN 926-1 - IA 013,014**

Testing period

15.12.2015                      to                      02.03.2016

Inspection date

**02.03.2016**

This inspection report includes 6 pages including cover page and annex

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## Cause

This inspection is required due to the legal necessity for manufacturers of air sports equipment according to the LuftGerPV to have their product type inspected by an accredited inspection body in accordance with the applicable airworthiness requirements.

Pattern to be inspected: **Airtaxi M**

|   |                            |        |                                     |
|---|----------------------------|--------|-------------------------------------|
| 1 | minimum take-off weight    | kg     | <b>130</b>                          |
| 2 | maximum take-off weight    | kg     | <b>220</b>                          |
| 3 | determined classification  | EN/LTF | <b>LTF / EN B</b>                   |
| 4 | Proven max. strength       | daN    | <b>1886</b>                         |
| 5 | Weight                     | kg     | <b>7,90</b>                         |
| 6 | Operations Manual, version |        | <b>Version 1.0 Stand 20.02.2016</b> |
| 7 | Specifications, version    |        | <b>07.03.2016</b>                   |

Nothing was omitted from the original scope of inspection

The testflights were conducted by two EAPR-testpilots

The shock- /load test was beige supplied by the manufacturer and verified positive by the EAPR.

## Summary

**The tested sample is in accordance with the legal requirements (Lufttüchtigkeitsforderungen) regarding the standards, procedures and subchapters listed in -Inspection basis-**


  
 i.A. **EAPR**
  
 Guido Reusch
   
 Inspector and Head of Inspection Body
   
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Bad Grönenbach, 07.03.2016

**Declaration of Design and Performance (DDP)**

07.03.2016

EBL-GS-DB - Stand 19.12.2012 - V5

# Paraglider

Type testing

**EAPR-GS-0479/16**

Test sample

**Airtaxi M**

Type testing owner

**Fly market GmbH & Co. KG****Am Schönebach 3****87637 Eisenberg****Deutschland**

|                                  |                      |
|----------------------------------|----------------------|
| Date of type testing declaration | <b>02.03.2016</b>    |
| Manner of type of testing        | <b>comprehensive</b> |
| Reference                        | <b>none</b>          |

|                                    |  |
|------------------------------------|--|
| Certified standards and procedures | <b>LTF 91/09, Pkt. 1., 3., 10., Anhang I, -<br/>EN 926-2 - EN 926-1 - IA 013,014</b> |
|------------------------------------|--|

|                                |                   |
|--------------------------------|-------------------|
| System weight without bag - kg | <b>7,9 kg</b>     |
| Allowable min. payload         | <b>130 kg</b>     |
| Allowable max. payload         | <b>220 kg</b>     |
| Number of seats                | <b>1 - 2</b>      |
| Classification                 | <b>LTF / EN B</b> |
| Foot accelerater               | <b>no</b>         |
| Trim device (hand operated)    | <b>yes</b>        |
| suitable for training          | <b>no</b>         |

|                          |             |
|--------------------------|-------------|
| Tested with foldinglines | <b>none</b> |
|--------------------------|-------------|

| Riser lenght mm | A          | A2         | B          | C          | D          | E |
|-----------------|------------|------------|------------|------------|------------|---|
| open-normal     | <b>385</b> | <b>385</b> | <b>410</b> | <b>435</b> | <b>480</b> |   |
| Accelerated     |            |            |            |            |            |   |
| closed          | <b>385</b> | <b>385</b> | <b>385</b> | <b>385</b> | <b>385</b> |   |

|  |                               |                |
|--|-------------------------------|----------------|
| trailing edge  | half                          | <b>7963 mm</b> |
| Cell depth on lower surface form air intake to the trailing edge | Center cell or center rippe + | <b>3225 mm</b> |
|  |                               | <b>3143 mm</b> |
|  |                               | <b>2784 mm</b> |

| Center rippe + | R1            | R4            | R8            |
|----------------|---------------|---------------|---------------|
| 0 → A          | <b>124 mm</b> | <b>120 mm</b> | <b>109 mm</b> |
| A → B          | <b>689 mm</b> | <b>670 mm</b> | <b>588 mm</b> |
| B → C          | <b>780 mm</b> | <b>763 mm</b> | <b>673 mm</b> |
| C → D          | <b>817 mm</b> | <b>787 mm</b> | <b>705 mm</b> |

The measured values at the lower surface of the trailing edge, cell depth and spacing of the articulation points were determined under tensile load of 50 N.

line length: mm

|    | A    | B    | C    | D    | E    | Br   |
|----|------|------|------|------|------|------|
| 1  | 8955 | 8830 | 8865 | 9000 | 9060 | 9415 |
| 2  | 8850 | 8725 | 8750 | 8885 |      | 9155 |
| 3  | 8855 | 8720 | 8740 | 8865 | 8935 | 8965 |
| 4  | 8825 | 8700 | 8725 | 8850 | 8920 | 8905 |
| 5  | 8790 | 8670 | 8715 | 8845 |      | 8745 |
| 6  | 8865 | 8760 | 8810 | 8955 | 9010 | 8670 |
| 7  | 8780 | 8705 | 8735 | 8870 | 8935 | 8670 |
| 8  | 8700 | 8615 | 8645 | 8780 |      | 8720 |
| 9  | 8715 | 8625 | 8650 | 8780 | 8845 | 8665 |
| 10 | 8670 | 8595 | 8630 | 8765 | 8825 | 8585 |
| 11 | 8630 | 8575 | 8620 | 8760 |      | 8505 |
| 12 | 8700 | 8645 | 8690 | 8835 | 8875 | 8480 |
| 13 | 8545 | 8495 | 8555 | 8640 |      | 8520 |
| 14 | 8455 | 8415 | 8465 |      |      |      |
| 15 | 8435 | 8390 | 8425 | 8495 |      |      |
| 16 | 8300 | 8270 | 8280 | 8320 |      |      |
| 17 | 8235 | 8215 | 8220 |      |      |      |
| 18 | 8225 | 8195 | 8215 | 8240 |      |      |
| 19 | 7910 | 7890 | 7900 | 7940 |      |      |
| 20 | 7840 | 7815 | 7855 |      |      |      |
| 21 |      |      |      |      |      |      |
| 22 |      |      |      |      |      |      |
| 23 |      |      |      |      |      |      |
| 24 |      |      |      |      |      |      |
| 25 |      |      |      |      |      |      |

|                   |   |
|-------------------|---|
| Kind of measuring | <b>Lines with riser and links up to lower surface undertension load 50N</b> |
|-------------------|---|

|          |             |
|----------|-------------|
| Comments | <b>none</b> |
|----------|-------------|

|                      |                                     |
|----------------------|-------------------------------------|
| Manual version dated | <b>Version 1.0 Stand 20.02.2016</b> |
|----------------------|-------------------------------------|

|                   |                                    |
|-------------------|------------------------------------|
| Periodical checks | <b>24 Monate / 100 Flugstunden</b> |
|-------------------|------------------------------------|

Bad Grönenbach, 02.03.2016

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