

Inspection report

Paraglider

Preceding report

- none -

Documentation number
Subcontract

EAPR-GS-0285/14

Ausgabe 0
english version

Customer

MAC PARA TECHNOLOGY s.r.o.

Televizní 2615
75661 Roznov pod Radhostem
Czech Republic

Order from

26.05.2014

Order entrance

26.05.2014

Contents of order

Determining the classification and sufficient strength of a paraglider

Kind of order

simplified

reference

183

Place of Inspection

87730 Bad Grönenbach, Sitz der Inspektionsstelle

Inspection item

ELAN 30

Serial number

3130-4069

Condition new

Inspection basis

LTF 91/09, Pkt. 3., Pkt. 10., Anhang I, - EN 926-2 IA 014 Rev. 1.7

Testing period

26.05.2014

to

18.10.2014

Inspection date

18.10.2014

This inspection report includes 7 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: **ELAN 30**

1	minimum take-off weight	kg	105
2	maximum take-off weight	kg	130
3	determined classification	EN/LTF	LTF / EN C
4	Proven max. strength	daN	1080
5	Weight	kg	6,60
6	Operations Manual, version		Vers. 2.0 v. 20.06.2014
7	Specifications, version		15.01.2015

Nothing was omitted from the original scope of inspection

The testflights were conducted by two EAPR-testpilots

With the exception of the shock and stress test all parts of the inspection work were performed 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.

Guido Reusch
Inspector and Head of Inspectionbody

Bad Grönenbach, 18.10.2014

Declaration of Design and Performance (DDP)

15.01.2015

EBL-GS-DB - Stand 19.12.2012 - V5

Paraglider

Type testing

EAPR-GS-0285/14

Test sample

ELAN 30

Type testing owner

MAC PARA TECHNOLOGY s.r.o.

Televizní 2615

75661 Roznov pod Radhostem

Czech Republic

Date of type testing declaration	18.10.2014
Manner of type of testing	simplified
Reference	183

Certified standards and procedures	LTF 91/09, Pkt. 3., Pkt. 10., Anhang I, - EN 926-2 IA 014 Rev. 1.7
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System weight without bag - kg	6,6 kg
Allowable min. payload	105 kg
Allowable max. payload	130 kg
Number of seats	1
Classification	LTF / EN C
Foot accelerator	yes
Trim device (hand operated)	no
suitable for training	no

Tested with foldinglines	none
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Riser lenght mm	A	A2	B	C	D	E
open-normal	530	530	530	530		
Accelerated	380	410	440	530		
closed						

trailing edge	half	6677 mm
Cell depth on lower surface form air intake to the trailing edge	Center cell or center rippe + 1	2613 mm
	9	2479 mm
	18	2061 mm

Center rippe +	R1	R4	R8
0 → A	142 mm	131 mm	82 mm
A → B	674 mm	630 mm	403 mm
B → C	853 mm	778 mm	492 mm
C → D	380 mm	344 mm	0 mm

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	7920	7825	7940	8055		8395
2	7865	7775	7890	8000		8060
3	7860	7770	7875	7985		7955
4	7740	7655	7750	7850		7795
5	7780	7695	7790	7870		7765
6	7615	7535	7600	7675		7625
7	7425	7365	7420			7525
8	7365	7305	7335			7440
9	7345	7295	7320			7470
10	7045	6980	7035			7385
11	6925	6920	6935			7235
12	6855	6845				7255
13	6800	6820	6935			7145
14						7095
15						7195
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Kind of measuring	Lines with riser and links up to lower surface undertension load 50N
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Comments	none
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Manual version dated	Vers. 2.0 v. 20.06.2014
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Periodical checks	24 Monate / 100 Flugstunden
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Bad Grönenbach, 18.10.2014

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