

Inspection report

Paraglider

Preceding report

- none -

Documentation number
Subcontract

EAPR-GS-0183/14
/

Ausgabe 0
english version

Customer

MAC PARA TECHNOLOGY s.r.o.

Televizní 2615
756 61 Roznov pod Radhostem
Czech Republic

Order from

14.03.2014

Order entrance

14.03.2014

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

ELAN 28

Serial number

3128-4011

Condition new

Inspection basis

LTF 91/09, Pkt. 3., Pkt. 10., Anhang I, - EN 926-2:2005
IA 014 Rev. 1.7, EN 926-1:2006

Testing period

14.03.2014

to

24.06.2014

Inspection date

24.06.2014

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 28

1	minimum take-off weight	kg	90
2	maximum take-off weight	kg	108
3	determined classification	EN/LTF	LTF / EN C
4	Proven max. strength	daN	1080
5	Weight	kg	6,10
6	Operations Manual, version		Vers. 2.0 v 20.06.2014
7	Specifications, version		26.07.2014

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, 26.07.2014

Declaration of Design and Performance (DDP)

26.07.2014

EBL-GS-DB - Stand 19.12.2012 - V5

Paraglider

Type testing

EAPR-GS-0183/14

Test sample

ELAN 28

Type testing owner

MAC PARA TECHNOLOGY s.r.o.

Televizní 2615

756 61 Roznov pod Radhostem

Czech Republic

Date of type testing declaration	24.06.2014
Manner of type of testing	comprehensive
Reference	none

Certified standards and procedures	LTF 91/09, Pkt. 3., Pkt. 10., Anhang I, - EN 926-2:2005 IA 014 Rev. 1.7, EN 926-1:2006
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System weight without bag - kg	6,1 kg
Allowable min. payload	90 kg
Allowable max. payload	108 kg
Number of seats	1
Classification	LTF / EN C
Foot accelerator	no
Trim device (hand operated)	no
suitable for training	no

Tested with foldinglines	yes
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Riser lenght mm	A	A2	B	C	D	E
open-normal	530	530	530	530		
Accelerated	370	400	430	530		
closed						

trailing edge	half	6309 mm
Cell depth on lower surface form air intake to the trailing edge	Center cell or center rippe + 1	2476 mm
	9	2347 mm
	19	1880 mm

Center rippe +	R1	R4	R8
0 → A	140 mm	130 mm	70 mm
A → B	620 mm	580 mm	380 mm
B → C	800 mm	740 mm	470 mm
C → D	365 mm	335 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	7675	7585	7675	7785		8115
2	7615	7535	7625	7730		7780
3	7610	7530	7615	7720		7725
4	7495	7415	7490	7585		7600
5	7535	7455	7530	7605		7515
6	7370	7290	7360	7430		7430
7	7185	7125	7180			7320
8	7125	7075	7100			7225
9	7110	7060	7085			7200
10	6820	6760	6810			7175
11	6705	6700	6720			7065
12	6640	6625				7010
13	6585	6600	6715			6955
14						6880
15						6905
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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, 24.06.2014

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