

Form: IB-EBL-GS Rev. 1.3 - 01.02.2014

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-0207/14

/

Customer

MAC PARA TECHNOLOGY s.r.o.

Televizni 2615
756 61 Roznov pod Radhostem
Czech Republic

Order from

03.04.2014

Order entrance

03.04.2014

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 26

Serial number

3126-4027

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

03.04.2014

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 26

1	minimum take-off weight	kg	78
2	maximum take-off weight	kg	100
3	determined classification	EN/LTF	LTF / EN C
4	Proven max. strength	daN	1080
5	Weight	kg	5,90
6	Operations Manual, version		Version 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-0207/14

Test sample

ELAN 26

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	simplified
Reference	183

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	5,9 kg
Allowable min. payload	78 kg
Allowable max. payload	100 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	420	530		
closed						

trailing edge	half		6220 mm
Cell depth on lower surface form air intake to the trailing edge	Center cell or center rippe +	1	2433 mm
		9	2315 mm
		18	1920 mm

Center rippe +	R1	R4	R8
0 → A	130 mm	120 mm	70 mm
A → B	610 mm	560 mm	365 mm
B → C	785 mm	720 mm	460 mm
C → D	360 mm	325 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	7420	7330	7435	7545		7830
2	7365	7280	7385	7495		7505
3	7355	7280	7380	7480		7410
4	7250	7170	7260	7350		7260
5	7285	7210	7295	7370		7230
6	7130	7055	7125	7195		7100
7	6960	6900	6955			7010
8	6895	6845	6875			6925
9	6880	6835	6860			6960
10	6600	6540	6595			6880
11	6490	6485	6505			6745
12	6425	6420				6765
13	6375	6395	6505			6655
14						6615
15						6705
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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	Version 2.0 v. 20.06.2014
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Periodical checks	24 Monate / 150 Flugstunden
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Bad Grönenbach, 24.06.2014

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