

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-0267/14
/

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 24

Serial number

3124-4046

Condition new

Inspection basis

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

Testing period

26.05.2014

to

29.07.2014

Inspection date

29.07.2014

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 24

1	minimum take-off weight	kg	70
2	maximum take-off weight	kg	90
3	determined classification	EN/LTF	LTF / EN C
4	Proven max. strength	daN	1080
5	Weight	kg	5,50
6	Operations Manual, version		Vers. 2.0 v.20.06.2014
7	Specifications, version		20.08.2014

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, 20.08.2014

Declaration of Design and Performance (DDP)

20.08.2014

EBL-GS-DB - Stand 19.12.2012 - V5

Paraglider

Type testing

EAPR-GS-0267/14

Test sample

ELAN 24

Type testing owner

MAC PARA TECHNOLOGY s.r.o.

Televizní 2615

75661 Roznov pod Radhostem

Czech Republic

Date of type testing declaration	29.07.2014
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, EN 926-1
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System weight without bag - kg	5,5 kg
Allowable min. payload	70 kg
Allowable max. payload	90 kg
Number of seats	1
Classification	LTF / EN C
Foot accelerator	yes
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	5930 mm
Cell depth on lower surface form air intake to the trailing edge	Center cell or center rippe +	1
		2312 mm
		9
		2200 mm
		18
		1821 mm

Center rippe +	R1	R4	R8
0 → A	130 mm	110 mm	80 mm
A → B	590 mm	540 mm	420 mm
B → C	760 mm	690 mm	520 mm
C → D	345 mm	310 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	7095	7015	7110	7210		7430
2	7045	6965	7065	7165		7125
3	7040	6965	7055	7150		7030
4	6935	6860	6945	7030		6895
5	6970	6895	6980	7045		6865
6	6820	6750	6815	6880		6740
7	6660	6605	6655			6655
8	6595	6545	6575			6575
9	6580	6540	6560			6610
10	6310	6260	6305			6530
11	6205	6205	6220			6395
12	6145	6135				6415
13	6095	6115	6220			6315
14						6270
15						6360
16						
17						
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23						
24						
25						

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, 29.07.2014

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