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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



### Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer Games S.L.Niviuk Gilders / Air Games S.L.Certification numberPG_1421.2018Address Girona SpainC. Del Ter, 6 ? Nave D T105 La Cellera de Ter Girona SpainFlight test19.11.2018Gilder model Hook 5 26ClassificationBSerial numberNIPS10220182RepresentativeNoneTrimmernoPlace of testVillereuveFolding lines used total testnoVillereuveTast pilotClaude ThumheerAlain ZollerHarness to risers distance (cm)4343Harness to risers distance (cm)4343Distance between risers (cm)446Cotal veight in flight (kg)Smooth, easy and constant rising A Special lace filters of termANoneANoASpecial lace filter of termNoANoA Special lace filter betweerYesASpecial lace filter betweerYesANoA Special lace filter betweerYesASpecial lace filter betweerYesANoA Special lace filter betweerNoANoA Special lace filter betweerNoA <th>5</th> <th></th> <th></th> <th></th> <th></th> <th></th>	5					
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recovery recovery   10. Symmetric front collapse B			decreasing, rate of turn decreasing)		decreasing, rate of turn decreasing)	
	-	-	recovery	A	· •	A
Approximately 30 % chord	-	•	В			

Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	А	Dive forward 0° to 30° Keeping course	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in 3 s to 5 s	В	Spontaneous in 3 s to 5 s	В
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping	A	Dive forward 0° to 30° / Keeping	A
	course		course	
Cascade occurs	No	А	No	A
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
	Dive forward 0° to 30°		Dive forward 0° to 30°	
Dive forward angle on exit		A		A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	А	No	А
12. High angle of attack recovery	Α			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	A
Cascade occurs	No	А	No	А
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	А
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	А	Most lines tight	А
14. Asymmetric collapse	A		J. J	
Small asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	А	Less than 90° / Dive or roll angle $0^{\circ}$ to $15^{\circ}$	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
	Less than 360°	A	Less than 360°	A
Total change of course				
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	А	Less than 90° / Dive or roll angle 15° to 45°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of	A	No (or only a small number of	A
	collapsed cells with a spontaneous reinflation)	~	collapsed cells with a spontaneous reinflation)	~
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or	Less than 90° / Dive or roll angle	А	Less than 90° / Dive or roll angle	А
roll angle	0° to 15°		0° to 15°	

Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric	Α			
collapse				
Able to keep course	Yes	A	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	Α			
Spin occurs	No	A	No	A
17. Low speed spin tendency	A			
Spin occurs	No	A	No	A
18. Recovery from a developed spin	A		<b>a i i i i i a a</b>	
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall	A	٨	Changing assured lass than 45°	^
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No A	A	No	A
20. Big ears	A Dedicated controls	۸	Dedicated controls	^
Entry procedure		A	Stable flight	A
Behaviour during big ears	Stable flight	A	-	A A
Recovery Dive forward angle on exit	Spontaneous in less than 3 s Dive forward 0° to 30°	A A	Spontaneous in less than 3 s Dive forward 0° to 30°	A
21. Big ears in accelerated flight	A	~	Dive forward 0 to 30	~
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in 3 s to 5 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	A			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



### Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer	Niviuk Gliders / Air Games S.L.	Certification number	F	PG_1419.2018	
Address	C. Del Ter, 6 ? Nave D 17165 La Cellera de Ter Girona Spain	Flight test	2	0.11.2018	
Glider model	Hook 5 22	Classification	E	3	
Serial number	NIPS10220181	Representative	Ν	lone	
Trimmer	no	Place of test		/illeneuve	
Folding lines used	no		v		
Test pilot		Philippe Dupont	C	Claude Thurnheer	
Harness		Supair - Altiplume S	N	liviuk - Konvers M	
Harness to risers di	stance (cm)	43	4	3	
Distance between ri		40	4	4	
	. ,		-	-	
Total weight in fligh	i (kg)	60	g	0	
1. Inflation/Take-off		Α			
Rising behaviour		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off technique	required	No	A	No	A
2. Landing		A			
Special landing technique	required	No	А	No	А
3. Speed in straight flight		Α			
Trim speed more than 30 k		Yes	А	Yes	А
Speed range using the con	trols larger than 10 km/h	Yes	А	Yes	А
Minimum speed	-	Less than 25 km/h	А	Less than 25 km/h	А
4. Control movement		Α			
Max. weight in flight up to	o 80 kg				
Symmetric control pressure	e / travel	Increasing / greater than 55 cm	А	not available	0
Max. weight in flight 80 k	g to 100 kg				
Symmetric control pressure	e / travel	not available	0	Increasing / greater than 60 cm	А
Max. weight in flight grea	iter than 100 kg				
Symmetric control pressure	e / travel	not available	0	not available	0
5. Pitch stability exiting a	ccelerated flight	Α			
Dive forward angle on exit		Dive forward less than 30°	А	Dive forward less than 30°	А
Collapse occurs		No	А	No	Α
6. Pitch stability operatin flight	g controls during accelerated	Α			
Collapse occurs		No	А	No	A
7. Roll stability and damp	bing	Α			
Oscillations		Reducing	А	Reducing	A
8. Stability in gentle spira		Α			
Tendency to return to straig		Spontaneous exit	A	Spontaneous exit	A
9. Behaviour exiting a ful		B			
Initial response of glider (fin		Immediate reduction of rate of turn	A A	Immediate reduction of rate of turn	A
Tendency to return to straig		Spontaneous exit (g force decreasing, rate of turn decreasing)	A	Spontaneous exit (g force decreasing, rate of turn decreasing)	A
Turn angle to recover norm	iai iliyili	720° to 1 080°, spontaneous recovery	В	Less than 720°, spontaneous recovery	A
10. Symmetric front colla	200	Α			

Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	A	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping	A	Dive forward 0° to 30° / Keeping	A
	course		course	
Cascade occurs	No	А	No	A
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
	A	A	NO	A
12. High angle of attack recovery		^	Cooptonoous in loss than 2 s	۸
	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	A	No collapse	A
Cascade occurs (other than collapses)	No	A	No	A
Rocking back	Less than 45°	Α	Less than 45°	А
Line tension	Most lines tight	Α	Most lines tight	А
14. Asymmetric collapse	Α			
Small asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	А	Less than 90° / Dive or roll angle 15° to 45°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of	A	No (or only a small number of	A
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	~
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45°	A

Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric	Α			
collapse	~			
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	A
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	A	•	No	•
Spin occurs	No	A	No	A
17. Low speed spin tendency	A	^	Nia	^
Spin occurs	No	A	No	A
18. Recovery from a developed spin	A Stone eninning in lose than 00°	۸	Stone eninging in loss than 00°	۸
Spin rotation angle after release Cascade occurs	Stops spinning in less than 90° No	A A	Stops spinning in less than 90° No	A A
19. B-line stall	A	~		~
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No		No	A
20. Big ears	A			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	В			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	A	Recovery through pilot action in less than a further 3 s	В
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				

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### Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer	Niviuk Gliders / Air Games S.L.	Certification number	F	PG_1420.2018	
Address	C. Del Ter, 6 ? Nave D 17165 La Cellera de Ter Girona Spain	Flight test	2	0.11.2018	
Glider model	Hook 5 24	Classification	E	3	
Serial number	V8	Representative	Ν	lone	
Trimmer	no	Place of test	V	/illeneuve	
Folding lines used	no		-		
Test pilot		Philippe Dupont	A	lain Zoller	
Harness		Supair - Evo XC 3 M	S	Supair - Evo XC 3 M	
Harness to risers di	stance (cm)	44		3	
Distance between ri	. ,	40		4	
	. ,				
Total weight in fligh	(K <u>G</u> )	70	9	2	
1. Inflation/Take-off		Α			
Rising behaviour		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off technique	required	No	А	No	А
2. Landing		Α			
Special landing technique	required	No	А	No	А
3. Speed in straight flight	t	Α			
Trim speed more than 30 k	xm/h	Yes	А	Yes	А
Speed range using the cor	trols larger than 10 km/h	Yes	А	Yes	А
Minimum speed		Less than 25 km/h	А	Less than 25 km/h	А
4. Control movement		Α			
Max. weight in flight up t	o 80 kg				
Symmetric control pressure	e / travel	Increasing / greater than 55 cm	А	not available	0
Max. weight in flight 80 k	g to 100 kg				
Symmetric control pressure	e / travel	not available	0	Increasing / greater than 60 cm	А
Max. weight in flight grea	-				
Symmetric control pressure		not available	0	not available	0
5. Pitch stability exiting a	ccelerated flight	A			
Dive forward angle on exit		Dive forward less than 30°	A	Dive forward less than 30°	A
Collapse occurs		No	A	No	A
flight	g controls during accelerated	Α			
Collapse occurs		No	A	No	A
7. Roll stability and damp	bing	Α			
Oscillations	_	Reducing	A	Reducing	A
8. Stability in gentle spira		<b>A</b>			
Tendency to return to strai	• •	Spontaneous exit	A	Spontaneous exit	A
9. Behaviour exiting a ful		A Immediate reduction of rate of turn	^	Immediate reduction of rate of term	•
Initial response of glider (fi Tendency to return to strai		Immediate reduction of rate of turn Spontaneous exit (g force decreasing, rate of turn decreasing)	A A	Immediate reduction of rate of turn Spontaneous exit (g force decreasing, rate of turn decreasing)	A A
Turn angle to recover norm	nal flight	Less than 720°, spontaneous recovery	А		A
	pse	В		· ·	

Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	A	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in 3 s to 5 s	В
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping	A	Dive forward 0° to 30° / Keeping	A
	course		course	
Cascade occurs	No	A	No	A
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	А
Recovery	Spontaneous in 3 s to 5 s	В	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Change of course	Changing course less than 45°	A	Changing course less than 45°	A
Cascade occurs	No	A	No	A
	A	A	NO	A
12. High angle of attack recovery		۸	Creater and in less than 2 a	^
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Cascade occurs	No	A	No	A
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Collapse	No collapse	Α	No collapse	A
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	Α	Most lines tight	А
14. Asymmetric collapse	Α			
Small asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	А	Less than 90° / Dive or roll angle 15° to 45°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of	A	No (or only a small number of	A
	collapsed cells with a spontaneous reinflation)	7.	collapsed cells with a spontaneous reinflation)	~
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A

Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А
Total change of course	Less than 360°	A	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric	Α			
collapse				
Able to keep course	Yes	A	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	A	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	A	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	<b>A</b>			
Spin occurs	No	A	No	A
17. Low speed spin tendency	<b>A</b>			
Spin occurs	No	A	No	A
18. Recovery from a developed spin	A		<b>e</b>	
Spin rotation angle after release	Stops spinning in less than 90°	A	Stops spinning in less than 90°	A
Cascade occurs	No	A	No	A
19. B-line stall	A	٨	Changing as used lass than 45°	^
Change of course before release	Changing course less than 45°	A	Changing course less than 45°	A
Behaviour before release	Remains stable with straight span	A	Remains stable with straight span	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Cascade occurs	No	A	No	A
20. Big ears	Dedicated controls	۸	Dedicated controls	^
Entry procedure		A		A
Behaviour during big ears	Stable flight	A B	Stable flight Spontaneous in less than 3 s	A A
Recovery Dive forward angle on exit	Spontaneous in 3 s to 5 s Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
21. Big ears in accelerated flight	A	~	Dive forward 0 to 50	~
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	A	Stable flight	A
Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	A	Dive forward 0° to 30°	A
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	A			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				