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test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes

Manufacturer



Certification number PG_2555.2025

Flight test report: EN 926-2:2013+A1:2021 and NfL 2024-2-785

Niviuk Gliders / Air Games S.L.

	Manufacturei	NIVIUK Gliders / Air G		sames S.L. Certification numb		PG_2555.2025	
	Address C. Del Ter, 6 Nave D 17165 La Cellera de T Spain			Flight test		22.04.2025	
			er Girona				
	Glider model	Artik R2 24		Classification		С	
	Serial number	ARTIKR24224		Representative		None	
	Trimmer	no		Place of test		Villeneuve	
	Folding lines used	yes					
	i diding lines dised	you					
	Test pilot		Claude Thurnheer			Alexandre Jofresa	
			AD			Nicola Malana M	
	Harness		Niviuk Makan N	VI		Niviuk Makan M	
	Harness to risers dis		41		41		
	Distance between risers [cm]		44			48	
	Total weight in flight	t [kg]	90			105	
	1. Inflation/Take-off		С				
	Rising behaviour			lowed down to avoid a front	C	Overshoots, shall be slowed down to avoid a front	C
	Rising benaviour		collapse	owed down to avoid a front	Ŭ	collapse	Ü
	Special take off technique	required	No		Α	No	Α
	2. Landing		Α				
	Special landing technique required		No		Α	No	Α
	3. Speed in straight flight		В				
	Trim speed more than 30 k		Yes		Α	Yes	Α
	Speed range using the con	trols larger than 10 km/h	Yes		Α	Yes	Α
	Minimum anood		25 km/h to 30 km/h		В	25 km/h to 30 km/h	В
	Minimum speed		25 811/11 to 30 811/11		_	23 KIIVII to 30 KIIVII	
	4. Control movement		С				
	Max. weight in flight up to 80 kg						
	Symmetric control pressure / travel		not available		0	not available	0
	Max. weight in flight 80 kg to 100 kg				_		
	Symmetric control pressure / travel		Increasing / 45 cm to 60 cm C		С	not available	0
	Max. weight in flight grea	iter than 100 kg					
	Symmetric control pressure / travel		not available 0		0	Increasing / 50 cm to 65 cm	С
						•	
	5. Pitch stability exiting a	ccelerated flight	Α				
	Dive forward angle on exit		Dive forward less than	30°	Α	Dive forward less than 30°	Α
	Callanaa aaauma		No		Α	No	Α
	Collapse occurs		INU		^	INO	Α
	6. Pitch stability operatin	g controls during	A				
	accelerated flight						
	Collapse occurs		No		Α	No	Α
	7. Roll stability and damp	ning	Α				
	Oscillations	Jing	Reducing		Α	Reducing	Α
	O30IIIatio(15		. Todasing				,,
	8. Stability in gentle spirals		Α				
	Tendency to return to straig	ght flight	Spontaneous exit		Α	Spontaneous exit	Α

Tendency to return to straight flight Spontaneous exit (g force decreasing, rate of turn A decreasing) and decreasing) and decreasing) and decreasing) and decreasing) and decreasing and decreasing) and decreasing an	ction	
Turn angle to recover normal flight 720° to 1 080°, sporttaneous recovery B Less than 720°, state than 720°,		В
10. Symmetric front collapse Approximately 30 % chord Entry Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s Cascade occurs No A No Folding lines used Yes C Yes At least 50% chord Entry Recovery Spontaneous in less than 45° A Rocking back less than 3 s A Spontaneous in 3 Single forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course Cascade occurs No A No Folding lines used Yes C Yes With accelerator Entry Recovery Spontaneous in less than 45° A Rocking back less than 45° A Poper forward 0° to 30° A Dive forward 0° to 30° A Rocking back less than 45° A Rocking		ı A
Approximately 30 % chord Entry Recovery Spontaneous in less than 45° A Rocking back less than 45° A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No Proceed and Proceed and Proceeding Incompared to the forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A No Proceeding Incompared to 10° to 30° / Keeping course A No A No Proceeding Incompared to 10° to 30° / Keeping course A Recovery A Recovery Spontaneous in less than 45° A Rocking back less than 45° A Rocking back less than 45° A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Rocking back less than 45° A Rocking back	contaneous recovery	Α
Recovery Recovery Spontaneous in less than 3 s A No Cascade occurs No A No A No A No A No At least 50% chord Entry Recovery Spontaneous in less than 45° A Rocking back less than 45° A Rocking back less than 3 s A Spontaneous in 3 s Dive forward angle on exit / Change of course Cascade occurs No A No A No A No C Yes With accelerator Entry Rocking back less than 45° A Rocking back less than 3 s A Spontaneous in 4 Spontaneous in 4 No Cascade occurs No A No A No A No C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Recovery Spontaneous in less than 3 s A Spontaneous in 4 No The forward 0° to 30° / Keeping course A Dive forward 0° to 30° A Spontaneous in 4 No The forward 0° to 30° A Dive		
Dive forward angle on exit Change of course Cascade occurs No A No A No Folding lines used At least 50% chord Entry Recovery Recovery Spontaneous in less than 3 s A No A No A Rocking back less than 45° A Spontaneous in 3 Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A No Folding lines used With accelerator Entry Recovery Spontaneous in less than 3 s A Spontaneous in 3 A Spontaneous in 3 Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course Changing course less than 45° A Changing course Cascade occurs No A No A No Changing course Cascade occurs No A No	than 45°	Α
Cascade occurs No No A No Folding lines used Yes C Yes At least 50% chord Entry Rocking back less than 45° Recovery Spontaneous in less than 3 s Dive forward angle on exit / Change of course Cascade occurs No A Rocking back less A Spontaneous in 3 Dive forward 0° to 30° / Keeping course C Yes With accelerator Entry Rocking back less than 45° Recovery Spontaneous in less than 3 s A Rocking back less A Rocking back less than 45° A Rocking back less than 45° A Rocking back less than 45° A Rocking back less than 3 s A Spontaneous in 3 Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course C A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course C A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course C Yes C Yes 11. Exiting deep stall (parachutal stall) A Spontaneous in less than 3 s A Spontaneous in less than 45° A Changing course Changing course less than 45° A Changing course Cascade occurs No A No A No	ss than 3 s	Α
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At least 50% chord Entry Rocking back less than 45° A Rocking back less than 45° A Rocking back less Recovery Spontaneous in less than 3 s A Spontaneous in 3 A Dive forward 0° to 30° / Keeping course Items than 3 s A Spontaneous in Item		Α
Entry Rocking back less than 45° A Spontaneous in Spontaneous in less than 3 s A Spontaneous in 3 Spontaneous in 4 Spontaneou		С
Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No Cascade occurs No A No Folding lines used Yes C Yes With accelerator Entry Recovery Recovery Spontaneous in less than 45° A Rocking back less A Spontaneous in 3° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course Cascade occurs No A No Folding lines used Yes C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 45° A Changing course Cascade occurs No A No A No Changing course less than 45° A Changing course Cascade occurs No A No	than 45°	Α
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Folding lines used Yes C Yes With accelerator Entry Rocking back less than 45° A Rocking back less than 45° A Spontaneous in 13 A Spontaneous in 13 A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No Folding lines used Yes C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Dive forward 0° to 30° Changing course less than 45° A Changing course Cascade occurs No A No	30° / Keeping course	Α
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Entry Rocking back less than 45° A Rocking back less Recovery Spontaneous in less than 3 s A Spontaneous in 3 s Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No Folding lines used Yes C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dive forward 0° to 30° Change of course Changing course less than 45° A Changing course Cascade occurs No A No 12. High angle of attack recovery		С
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Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No Cascade occurs No A No Folding lines used Yes C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° A Dive forward 0° to 30° Change of course Cascade occurs No A No 12. High angle of attack recovery A Dive forward 0° to 30° A Dive forward 0° to 30° A No	than 45°	Α
Cascade occurs No A No Folding lines used Yes C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in l Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 4 Change of course Cascade occurs No A No 12. High angle of attack recovery A	s to 5 s	В
Folding lines used Yes C Yes 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 40° Change of course Cascade occurs No A No 12. High angle of attack recovery A	30° / Keeping course	Α
11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° Change of course Changing course less than 45° A Changing course Cascade occurs No A No		Α
Deep stall achieved Yes A Yes Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s Dive forward or to 30 or A Dive forward 0 or to 30 or A Dive forward 0 or to 30 or A Changing course Change of course Cascade occurs No A No 12. High angle of attack recovery		С
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s Dive forward 0° to 30° Change of course Changing course less than 45° A Changing course Cascade occurs No A No 12. High angle of attack recovery		^
Dive forward angle on exit Dive forward 0° to 30° Change of course Changing course less than 45° A Changing course Cascade occurs No A No 12. High angle of attack recovery	see than 3 c	A
Change of course Changing course less than 45° A Changing course Cascade occurs No A No 12. High angle of attack recovery A		A
Cascade occurs No A No 12. High angle of attack recovery A		A
12. High angle of attack recovery	CSS (Hall 40	A
	ss than 3 s	Α
Cascade occurs No A No		Α
13. Recovery from a developed full stall Dive forward 0° to 30° A Dive forward 30°	o 60°	В
Collapse No collapse A No collapse		Α
Cascade occurs (other than collapses) No A No		Α

Rocking back	Less than 45°	Α	Less than 45°	Α
Line tension	Most lines tight		Most lines tight	Α
14. Asymmetric collapse Small asymmetric collapse	С			
Change of course until re-inflation / Maximum	Less than 90° / Dive or roll angle 15° to 45°	Δ	Less than 90° / Dive or roll angle 0° to 15°	Α
dive forward or roll angle	-		•	
Re-inflation behaviour	Spontaneous re-inflation	A	Inflates in less than 3 s from start of pilot action	C
Total change of course	Less than 360°		Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	Yes	С	Yes	С
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°	Α	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Inflates in less than 3 s from start of pilot action	С	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	Yes	С	Yes	С
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 15° to 45°	Α	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Inflates in less than 3 s from start of pilot action	С	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	Yes	С	Yes	С
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°	Α	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Inflates in less than 3 s from start of pilot action	С	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α

Folding lines used	Yes	С	Yes	С
15. Directional control with a maintained asymmetric collapse	A			
Able to keep course	Yes	Α	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	Α
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	Α	More than 50 % of the symmetric control travel	Α
16. Trim speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	A	٨	Ma	•
Spin occurs	No		No	Α
18. Recovery from a developed spin	В			
Spin rotation angle after release	Stops spinning in 90° to 180°	В	Stops spinning in 90° to 180°	В
Cascade occurs	No	Α	No	Α
19. B-line stall	0			
Change of course before release	not available	0	not available	0
Behaviour before release	not available	0	not available	0
Recovery	not available	0	not available	0
Dive forward angle on exit	not available	0	not available	0
Cascade occurs	not available	0	not available	0
20. Big ears	В			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Recovery through pilot action in less than a further 3 s	В	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°		Dive forward 0° to 30°	Α
21. Big ears in accelerated flight	В			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Recovery through pilot action in less than a further 3 s	В	Spontaneous in less than 3 s	Α
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	Stable flight	Α
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	Α	Yes	Α
Stall or spin occurs	No	Α	No	Α
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