Flight test report

Manufacturer Windtech Paragliders Francisco Rodríguez, 7 33201 GIJON - Asturias Address

Spain, PO Box 269 33280

Representive None Type of glider Arial 29 not available Trimmer

PG 064.2007 Certification number Date of flight test 27.03.2007 Villeneuve Place of test



Classification A

Alain Zoller Sol - Slider L 110 kg Test Pilot Claude Thurnheer Harness Gin Genie III M Total weight in flight 90 kg

		Min weight	Max weight	
1. Inflation/Tal				
	Rising behaviour Special take off technique required	Smooth, easy and constant rising A No A	Smooth, easy and constant rising No	A A
2. Landing				
3. Speed in str	Special landing technique required	No A	No	Α
	Trim speed more than 30 km/h	Yes A	Yes	Α
	Speed range using the controls larger than 10 km/h	Yes A		Α
	Minimum speed	Less than 25 km/h A	Less than 25 km/h	Α
4. Control mov				
	Max. weight in flight up to 80 kg	not available (not available	0
	Symmetric control pressure/travel Max. weight in flight 80 kg to 100 kg	not available	Hot available	U
	Symmetric control pressure/travel	Increasing, Greater than 60 cm A	not available	0
	Max. weight in flight greater than 100 kg			
	Symmetric control pressure/travel	not available (Increasing, Greater than 65 cm	Α
5. Pitch stabili	ity exiting accelerated flight Dive forward angle on exit	Dive forward less than 30° A	Dive forward less than 30°	Α
	Collapse occurs	No A		A
6. Pitch stabili	ity operating controls during accelerated flight			ì
	Collapse occurs	No A	No	Α
7. Roll stability	y and damping	Destrologi	De distan	
8. Stability in g	Oscillations	Reducing A	Reducing	Α
o. Grabinty in (Tendency to return to straight flight	Spontaneous exit A	Spontaneous exit	Α
9. Behaviour in	n a steeply banked turn			
	Sink rate after two turns	12 m/s to 14 m/s A	Up to 12m/s	Α
10. Symmetric	front collapse	Dealing healtheas they 450	Dealing hash less than 450	
	Entry	Rocking back less than 45° A Spontaneous in less than 3 s A	Rocking back less than 45° Spontaneous in less than 3 s	A A
	Recovery Dive forward angle on exit	Dive foward 0°to 30°, Keeping course A	Dive foward 0°to 30°, Keeping course	A
	Cascade occurs	No A	No	Α
	With accelerator			
	Entry	Rocking back less than 45° A		Α
	Recovery Dive forward angle on exit	Spontaneous in less than 3 s Dive foward 0°to 30°, Keeping course A	Spontaneous in less than 3 s Dive foward 0°to 30°, Keeping course	A A
	Cascade occurs	No A	No	A
11. Exiting dea	ep stall (parachutal stall)	,,		
	Deep stall achieved	No A	Yes	Α
	Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s	Α
	Dive forward angle on exit Change of course	Dive forward 0°to 30° A Changing course less than 45° A	Dive forward 0°to 30° Changing course less than 45°	A A
	Cascade occurs	No A	No	A
12. High angle	of attack recovery			
	Recovery	Spontaneous in less than 3 s		Α
40 December 6	Cascade occurs	No A	No	Α
13. Recovery f	from a developed full stall Dive forward angle on exit	Dive forward 0°to 30° A	Dive forward 0°to 30°	Α
	Collapse	No collapse A		A
	Cascade occurs (other than collapse)	No A	No	Α
	Rocking back	Less than 45° A	Less than 45°	A
14 Agymm stri	Line tension	Most line tight A	Most line tight	Α
14. Asymmetri	ic collapse With 50% collapse-Maximum dive forward or roll angle			
	Change of course until re-inflation	Less than 90°, Dive or roll angle 0° to 15° A	Less than 90°, Dive or roll angle 0° to 15°	Α
	Re-inflation behaviour	Spontaneous re-inflation A	Spontaneous re-inflation	Α
	Total change of course	Less than 360° A		A
	Collapse on the opposite side occurs	No A		A
	Twist occurs Cascade occurs	No A	No No	A A
	With 75% collapse-Maximum dive forward or roll angle			
	Change of course until re-inflation	90° to 180°, Dive or roll angle 0° to 15° A		Α
	Re-inflation behaviour	Spontaneous re-inflation A		A
	Total change of course	Less than 360° A	Less than 360° No	A
	Collapse on the opposite side occurs Twist occurs	No A		A A
	Cascade occurs	No A	No	A
	With 50% collapse and accelerator-Maximum dive forward or			
	Change of course until re-inflation	Less than 90°, Dive or roll angle 0° to 15° A		Α
	Re-inflation behaviour	Spontaneous re-inflation A		A
	Total change of course Collapse on the opposite side occurs	Less than 360° A No A		A A
	Conapos on the opposite side occurs	- A	1110	, n

	Twist occurs	No	Α	No	Α
	Cascade occurs	No	Α	No	Α
	With 75% collapse and accelerator-Maximum dive forward o	r roll angle			
	Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	Α	Less than 90°, Dive or roll angle 15° to 45°	Α
	Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
	Total change of course	Less than 360°	Α	Less than 360°	Α
	Collapse on the opposite side occurs	No	Α	No	Α
	Twist occurs	No	Α	No	Α
	Cascade occurs	No	Α	No	Α
15. Direction	al control with a maintained asymmetric collapse				
	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 spec	ed spin tendency				
	Spin occurs	No	Α	No	Α
17. Low spee	ed spin tendency				
	Spin occurs	No	Α	No	Α
18. Recovery	from a developed spin				
	Spin rotation angle after release	Stops spinning in less than 90°		Stops spinning in less than 90°	Α
	Cascade occurs	No	Α	No	Α
19. B-line sta					
	Change of course before release	Change of course less than 45°	Α	Change of course less than 45°	Α
	Behaviour before release	Remains stable with straight span	Α	Remains stable with straight span	Α
	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
	Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
00 DI	Cascade occurs	No	Α	No	Α
20. Big ears	Estavantes	De Parte de controla		De Parte de controle	
	Entry procedure	Dedicated controls	A	Dedicated controls	A
	Behaviour during big ears	Stable flight	A	Stable flight	A
	Recovery Dive forward angle on exit	Spontaneous in less than 3 s Dive forward 0° to 30°	A	Spontaneous in less than 3 s Dive forward 0° to 30°	A A
24 Pig soro i	in accelerated flight	Dive forward 0° to 30°	А	Dive lorward 0° to 30°	А
ZI. Dig ears i	•	Dedicated controls	Α	Dedicated controls	Α
	Entry procedure 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	Stable flight	A	Stable flight	A
22 Rehaviou	r exiting a steep spiral	Otable hight		Otabio ingrit	
LL. Dellaviou	Tendency to return to straight flight	Spontaneous exit	Α	Spontaneous exit	Α
	Turn angle to recover normal flight	Less than 720°, spontaneous recovery	A	Less than 720°,spontaneous recovery	A
	Sink rate when evaluating spiral stability [m/s]	16 m/s	,,	14 m/s	,,
23. Alternativ	ve means of directional control				
	180° turn achievable in 20 s	Yes	Α	Yes	Α
	Stall or spin occurs	No	Α	No	Α
				· · · ·	
24. Any other	r flight procedure and/or configuration described in the us	er's manual			
24. Any other	r flight procedure and/or configuration described in the us Procedure works as described	er's manual not available	0	not available	0
24. Any other	Procedure works as described	not available	0	not available not available	0
24. Any other			0		7
24. Any other	Procedure works as described Procedure suitable for novice pilots Cascade occurs	not available not available	0	not available	0
	Procedure works as described Procedure suitable for novice pilots Cascade occurs	not available not available	0	not available	0



Air Turquoise
Rue de la Poterlaz 6
Case postale 10
CH- 1844 Villeneuve
Switzerland
mobile: +41 79 202 52 30
Tel. no: +41 21 965 65 65
fax: +41 219 65 65 66
email: info@airturquoise.ch
homepage: www.cen.li