## Flight test report

Manufacturer Windtech Paragliders Francisco Rodríguez, 7 33201 GIJON - Asturias Address Spain, PO Box 269 33280 Representive None Type of glider Arial 27 not available

Trimmer

Certification number Date of flight test Place of test

PG 063.2007 28.03.2007 Villeneuve



Classification B

Test Pilot Claude Thurnheer Harness sup air light Total weight in flight 77 kg

Alain Zoller Sol - Slider L 100 kg

		Min weight		Max weight	
1. Inflation/Ta	ake-off				
	Rising behaviour	Smooth, easy and constant rising	А	Smooth, easy and constant rising	A
	Special take off technique required	No	А	No	A
2. Landing					
	Special landing technique required	No	Α	No	A
3. Speed in s		Vee		¥	•
	Trim speed more than 30 km/h	Yes Yes	A A	Yes Yes	A
	Speed range using the controls larger than 10 km/h Minimum speed	Less than 25 km/h	A	Less than 25 km/h	A A
4. Control mo			^		~
	Max. weight in flight up to 80 kg				
	Symmetric control pressure/travel	Increasing, Greater than 55 cm	А	not available	0
	Max. weight in flight 80 kg to 100 kg	0.			
	Symmetric control pressure/travel	not available	0	Increasing, Greater than 65 cm	Α
	Max. weight in flight greater than 100 kg				
	Symmetric control pressure/travel	not available	0	not available	0
5. Pitch stabi	ility exiting accelerated flight				
	Dive forward angle on exit	Dive forward less than 30°	A	Dive forward less than 30°	A
	Collapse occurs	No	Α	No	A
6. Pitch stabi	lity operating controls during accelerated flight	No	А	No	А
7. Roll stabili	Collapse occurs		A		A
	Oscillations	Reducing	А	Reducing	А
8. Stability in	gentle spirals				
,	Tendency to return to straight flight	Spontaneous exit	А	Spontaneous exit	А
9. Behaviour	in a steeply banked turn				
	Sink rate after two turns	12 m/s to 14 m/s	А	12 m/s to 14 m/s	А
10. Symmetri	ic front collapse				
	Entry	Rocking back less than 45°	А	Rocking back less than 45°	Α
	Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	Α
	Dive forward angle on exit	Dive foward 0°to 30°, Keeping course	А	Dive foward 0°to 30°, Keeping course	Α
	Cascade occurs	No	А	No	Α
	With accelerator	<b>_</b>			
	Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
	Dive forward angle on exit Cascade occurs	Dive foward 0°to 30°, Keeping course No	A A	Dive foward 0°to 30°, Keeping course No	A A
11 Exiting de	eep stall (parachutal stall)	110	^		~
The Exiting at	Deep stall achieved	No	А	Yes	А
	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
	Change of course	Changing course less than 45°	А	Changing course less than 45°	Α
	Cascade occurs	No	А	No	Α
12. High angl	le of attack recovery				
	Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	Α
	Cascade occurs	No	А	No	Α
13. Recovery	from a developed full stall				_
	Dive forward angle on exit	Dive forward 0°to 30°	A	Dive forward 30°to 60°	В
	Collapse	No collapse	A	No collapse	A
	Cascade occurs (other than collapse) Rocking back	No Less than 45°	A A	No Less than 45°	A A
	Line tension	Most line tight	A	Most line tight	A
14. Asymmet			~		A
	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°	А	Less than 90°, Dive or roll angle 0° to 15°	А
	Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	A
	Total change of course	Less than 360°	Α	Less than 360°	A
	Collapse on the opposite side occurs	No	А	No	А
	Twist occurs	No	А	No	Α
	Cascade occurs	No	А	No	Α
	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°	Α	Less than 90°, Dive or roll angle 0° to 15°	A
	Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
	Total change of course	Less than 360°	A	Less than 360°	A
	Collapse on the opposite side occurs	No	A	No	A
	Twist occurs	No	A	No No	A
	Cascade occurs With 50% collapse and accelerator-Maximum dive forward o	No ar roll angle	A		A
		Less than 90°, Dive or roll angle 0° to 15°	А	Less than 90°, Dive or roll angle 0° to 15°	А
					A
	Change of course until re-inflation				
	Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation Less than 360°	Α
				Spontaneous re-inflation	

					_
	Twist occurs	No	A	No	A
	Cascade occurs	No	А	No	А
	With 75% collapse and accelerator-Maximum dive forward o				
	Change of course until re-inflation	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°	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	А	Yes	А
	180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
	Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	А	More than 50 % of the symmetric control travel	А
16. Trim spec	ed spin tendency				
	Spin occurs	No	А	No	А
17 Low spee	ed spin tendency		~		~~
Lon opee	Spin occurs	No	А	No	А
18 Recovery	r from a developed spin		А		А
To: Necovery	Spin rotation angle after release	Stops spinning in less than 90°	А	Stops spinning in less than 90°	А
		No	A		
	Cascade occurs	NO	A	No	A
19. B-line sta					
	Change of course before release	Change of course less than 45°	A	Change of course less than 45°	A
	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°	А	Dive forward 0° to 30°	Α
	Cascade occurs	No	Α	No	Α
20. Big ears					
	Entry procedure	Dedicated controls	Α	Dedicated controls	Α
	Behaviour during big ears	Stable flight	Α	Stable flight	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
21. Big ears i	in accelerated flight				
-	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
	Behaviour immediately after releasing the accelerator while	Stable flight	A	Stable flight	A
22. Behaviou	ir exiting a steep spiral	Clabic ingit		Clasic light	
	Tendency to return to straight flight	Spontaneous exit	А	Spontaneous exit	А
	Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Â	Less than 720°, spontaneous recovery	Â
	Sink rate when evaluating spiral stability [m/s]	17 m/s	А	16 m/s	~
22 Altornatio	ve means of directional control	17 11/5		1011//3	
25. Alternativ	180° turn achievable in 20 s	Yes	А	Yes	٨
			A	No	A A
O.4. Amu athe	Stall or spin occurs	No	A		A
24. Any othe	r flight procedure and/or configuration described in the us		~	and any light	~
	Procedure works as described	not available	0		0
	Procedure suitable for novice pilots	not available	0	not available	0
	Cascade occurs	not available	0	not available	0
	f test pilot				
Comments o	•				
Comments o	Comments	no		no	



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