

Certification number Date of flight test Place of test PG 058.2007 23.02.2007 Villeneuve



Classification C

Test Pilot Claude Thurnheer Harness Gin Genie III M Total weight in flight 95 kg

Manufacturer Dudek Paragliders

Poland Representive Piotr Dudek

Type of glider Synthesis 29

ul. Centralna 2U

86-031 Osielsko

Closed trimmer

Address

Trimmer

Alain Zoller Sol - Slider L 120 kg

		Min weight		Max weight	
1. Inflation/Ta	ke-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	Creatial landing technique required	Na	^	No	
2 Spood in s	Special landing technique required	No	A	No	A
3. Speed in s	Trim speed more than 30 km/h	Yes	А	Yes	А
	Speed range using the controls larger than 10 km/h	Yes	A	Yes	A
	Minimum speed	Less than 25 km/h	A	Less than 25 km/h	A
4. Control mo					
	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, Greater than 65 cm	A	not available	0
	Max. weight in flight greater than 100 kg Symmetric control pressure/travel	not available	0	Increasing, Greater than 65 cm	А
5. Pitch stabi	lity exiting accelerated flight	Tiot available	U	increasing, Greater than 05 cm	~
	Dive forward angle on exit	Dive forward less than 30°	А	Dive forward less than 30°	А
	Collapse occurs	No	A	No	A
6. Pitch stabi	ity operating controls during accelerated flight				
	Collapse occurs	No	А	No	Α
7. Roll stabili	ty and damping				
	Oscillations	Reducing	A	Reducing	A
8. Stability in	gentle spirals	Constantone suit		Creater could	
0 Deheudeur	Tendency to return to straight flight in a steeply banked turn	Spontaneous exit	Α	Spontaneous exit	A
9. Benaviour	Sink rate after two turns	More than 14 m/s	в	More than 14 m/s	В
10 Symmetri	c front collapse	Nore than 14 m/s	Б	NOTE than 14 m/s	Б
ro. cynnieur	Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
	Dive forward angle on exit	Dive foward 0°to 30°, Keeping course	А	Dive foward 0°to 30°, Keeping course	А
	Cascade occurs	No	А	No	Α
	With accelerator				
	Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
	Recovery	Spontaneous in less than 3 s	A	Spontaneous in less than 3 s	A
	Dive forward angle on exit	Dive foward 0°to 30°, Keeping course	A	Dive foward 30°to 60°, Keeping course	В
11 Eviting de	Cascade occurs ep stall (parachutal stall)	No	A	No	A
TT. Exiting de	Deep stall achieved	Yes	А	Yes	А
	Recovery	Spontaneous in 3 s to 5 s	c	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°	A	Changing course less than 45°	A
	Cascade occurs	No	А	No	А
12. High angl	e of attack recovery				
	Recovery	Spontaneous in 3 s to 5 s	С	Spontaneous in less than 3 s	Α
	Cascade occurs	No	А	No	Α
13. Recovery	from a developed full stall	D: (1000 000			-
	Dive forward angle on exit	Dive forward 30°to 60°	B	Dive forward 30°to 60°	B
	Collapse	No collapse	A A	No collapse No	A
	Cascade occurs (other than collapse) Rocking back	No Less than 45°	A	No Less than 45°	A A
	Line tension	Most line tight	A	Most line tight	A
14. Asymmet			~		~
,	With 50% collapse-Maximum dive forward or roll angle				
	Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°	А	90° to 180°, Dive or roll angle 15° to 45°	В
	Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
	Total change of course	Less than 360°	А	Less than 360°	Α
	Collapse on the opposite side occurs	No	А	No	Α
	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	180° to 360°, Dive or roll angle 45° to 60°	C	90° to 180°, Dive or roll angle 60° to 90°	C
	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 Twist occurs	No	A A	No	A
	I wist occurs Cascade occurs	No No	A A	No No	A A
	With 50% collapse and accelerator-Maximum dive forward or		~		A
	Change of course until re-inflation	Less than 90°, Dive or roll angle 45° to 60°	С	Less than 90°, Dive or roll angle 45° to 60°	С
	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	Α	No	A

	Twist occurs	No		No	A
	Cascade occurs	No	A	No	A
	With 75% collapse and accelerator-Maximum dive forward of		~	000 to 4000 Diversity and 450 to 000	~
	Change of course until re-inflation	90° to 180°, Dive or roll angle 45° to 60°	С	90° to 180°, Dive or roll angle 45° to 60°	С
	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	Α	No	A
	Twist occurs	No	А	No	A
	Cascade occurs	No	Α	No	A
15. Direction	al control with a maintained asymmetric collapse				
	Able to keep course	Yes	А	Yes	A
	180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	A
	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	A
16. Trim spe	ed spin tendency				
	Spin occurs	No	Α	No	A
17. Low spee	ed spin tendency				
	Spin occurs	No	А	No	A
18. Recovery	/ from a developed spin				
	Spin rotation angle after release	Stops spinning in less than 90°	Α	Stops spinning in less than 90°	Α
	Cascade occurs	No	Α	No	Α
19. B-line sta	all				
	Change of course before release	Change of course less than 45°	А	Change of course less than 45°	А
	Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	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 30° to 60°	А
	Cascade occurs	No	A	No	A
20. Big ears					
	Entry procedure	Dedicated controls	А	Standard technique	А
	Behaviour during big ears	Stable flight	A	Stable flight	A
	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
21. Big ears	in accelerated flight				
g 00.0	Entry procedure	Dedicated controls	А	not available	C
	Behaviour during big ears	Stable flight	A	not available	C
	Recovery	Spontaneous in 3 s to 5 s	A	not available	C
	Dive forward angle on exit	Dive forward 0° to 30°	A	not available	C
	Behaviour immediately after releasing the accelerator while	Stable flight	Â	not available	0
22 Bohaviou	ir exiting a steep spiral	Stable light	~	not available	U
ZZ. Bellaviot	Tendency to return to straight flight	Spontaneous exit	А	Spontaneous exit	А
	Turn angle to recover normal flight	720° to 1080°, spontaneous recovery	Ĉ	Less than 720°, spontaneous recovery	A
		22 m/s	U	22 m/s	A
	Sink rate when evaluating spiral stability [m/s]	22 11/8		22 11/5	
23. Alternativ	ve means of directional control			Ma a	
	180° turn achievable in 20 s	Yes	A	Yes	A
	Stall or spin occurs	No	A	No	A
24. Any othe	r flight procedure and/or configuration described in the us				
	Procedure works as described	Yes		not available	C
	Procedure suitable for novice pilots	Yes	Α	not available	C
	Cascade occurs	No	Α	not available	C
Comments o	•				
	Comments	Glider tested Feb.07; with speed Jun 07		Big ears accelerated impossible	



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