



European Academy of Parachute Rigging e.V - Luitpoldstr. 30 - D87700 Memmingen - Germany Under approval of EPTA European Paraglider Testlaboratory Alicane

	Minimum take off we	eight	Maximum take off weight		
Testpilot	Claude Thurnheer		Alain Zoller		
Harness	SKY Axel 2 M	\$600 C	SOL Slider	\$600	
Pilot's take off weight	105 kg	_ع الہ	130 kg	بالد	

Classification	В
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Test-criteria		Minimum take off weight	Evaluation	Maximum take off weight	Evaluation
1. Inflation / take-off - 4.4.1					
Rising behavior		Smooth, easy and constant rising	Α	Smooth, easy and constant rising	А
Special take off technique required		No	Α	No	Α
2. Landing - 4.4.2					
Special landing technique required		No	Α	No	Α
3. Speeds in straight flight - 4.4.3					
Trim speed more than 30km/h		Yes	Α	Yes	Α
Speed range using the controls larger than 10km/h		Yes	Α	Yes	А
Minimum speed		Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement - 4.4.4					
Max. weight in flight up to 80kg			-		-
Max. weight in flight 80 to 100kg			-		-
Max. weight in flight greater than 100kg		Increasing >65 cm	Α	Increasing >65 cm	А
5. Pitch stability exiting accelerated flight - 4.4.	5				•
Dive forward angle on exit		Dive forward less than 30°	Α	Dive forward less than 30°	А
Collapse occurs		No	Α	No	Α
6. Pitch stability operating controls during acce	lerated fli	ght - 4.4.6			
Collapse occurs		No	Α	No	Α
7. Roll stability and damping - 4.4.7					
Oscillations		Reducing	Α	Reducing	А
8. Stability in gentle spirals - 4.4.8					
Tendency to return to straight flight		Spontaneous exit	Α	Spontaneous exit	Α
9. Behaviour in a steeply banked turn - 4.4.9					
Sink rate after two turns		More than 14m/s B More than 14m/s		More than 14m/s	В
10. Symmetric front collapse - 4.4.10					
Entry		Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	trim speed	Spontaneous in less than 3 sec	Α	Spontaneous in less than 3 sec	Α
Dive forward angle on exit	. <u>E</u>	0° - 30° Entering a turn of less than 90°	Α	0° - 30° Entering a turn of less than 90°	Α
Cascade occurs	+	No	Α	No	Α
Entry	g	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	rate	Spontaneous in less than 3 sec	Α	Spontaneous in less than 3 sec	Α
Dive forward angle on exit	accelerated	0° - 30° Entering a turn of less than 90°	A	0° - 30° Entering a turn of less than 90°	А
Cascade occurs	Ø	No	Α	No	Α

1 11 Eviting doop stall (navoak: tal stall) 1 1 1 1									
11. Exiting deep stall (parachutal stall) - 4.4.11 Deep stall achieved		Yes Yes							
				^				^	
Recovery		Spontaneous in less than 3 sec		Α	Spontaneous in less than 3 sec		Α		
Dive forward angle on exit Change of course		0° - 30° Changing course less than 45°		A A	0° - 30° Changing course	a less than 45°		A A	
Cascade occurs		No	2 1000 111111 40		A	No	3 1000 triair 40		A
12. High angle of attack recovery - 4.4.12									
Recovery		Spontaneous in	less than 3 sec		Α	Spontaneous in	less than 3 sec		А
Cascade occurs		No				No			
13. Recovery from a developed full stall - 4.4.1	3	INO			Α	140			Α
Dive forward angle on exit		0° - 30°			А	0° - 30°			А
Collapse		No collapse		A	No collapse		A		
Cascade occurs (other than collapse) Rocking backward		No Less than 45°		A	No Less than 45°		A		
Line tension		Most lines tight			A A	Most lines tight			A A
14. Asymmetric collapse (trim speed) - 4.4.14									
Change of course until re-inflation		< 90°	Dive or roll angle	15° - 45°	А	< 90°	Dive or roll angle	15° - 45°	Α
Change of course until re-illination	abse .	<u> </u>	Dive of foil disgle	13 - 43	^	\ 30	Dive of foil drigic	15 - 45	^
Re-inflation behavior	trim speed, x 50% colla	Spontaneous re-	-inflation		Α	Spontaneous re-	inflation		Α
Total change of course	± % 00	Less than 360°		Α	Less than 360°			Α	
Collapse on the opposite side occurs Twist occurs	trim speed, max 50% collapse	No No			A	No No			A
Cascade occurs		No			A A	No			A A
Change of course until re-inflation		< 90°	Dive or roll angle	15° - 45°	A	< 90°	Dive or roll angle	15° - 45°	A
S.a.igo of course until re-initiation	trim speed, max 75% collapse	<u> </u>	5 or row angle	10 - 40			or row arrigin	10 - 40	
Re-inflation behavior	colls	Spontaneous re-	-inflation		Α	Spontaneous re-	inflation		Α
Total change of course	n sp '5%	Less than 360°			Α	Less than 360°			Α
Collapse on the opposite side occurs	trii ax 7	No			A	No			A
Twist occurs Cascade occurs	- E	No No			A A	No No			A A
Cabbado Cocaro				I		1	1		
Change of course until re-inflation	Se	< 90°	Dive or roll angle	15° - 45°	Α	< 90°	Dive or roll angle	15° - 45°	Α
Re-inflation behavior	accelerated, max 50% collapse	Spontaneous re-	-inflation		Α	Spontaneous re-	inflation		А
Total change of course	accelerated, x 50% collap	Less than 360°			A	Less than 360°			Α
Collapse on the opposite side occurs	acce × 50	No			A	No			A
Twist occurs	ma	No			Α	No			Α
Cascade occurs		No		1	Α	No	1		A
Change of course until re-inflation	Se	< 90°	Dive or roll angle	15° - 45°	Α	< 90°	Dive or roll angle	15° - 45°	Α
Re-inflation behavior	accelerated, max 75% collapse	Spontaneous re-	-inflation		Α	Spontaneous re-	inflation		Α
Total change of course	elera	Less than 360°			A	Less than 360°			A
Collapse on the opposite side occurs	acc ax 73	No			Α	No			Α
Twist occurs Cascade occurs	Ě	No No			A A	No No			A A
15. Directional control with a maintained asym	metric col				A	140			A
Able to keep course straight		Yes			А	Yes			Α
·									
180° turn away from the collapsed side possible in	10 sec	Yes			Α	Yes			
			. 6 (1)		A				Α
180° turn away from the collapsed side possible in Amount of control range between turn and stall or			of the symmetric o	control travel	A A		of the symmetric c	ontrol travel	
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16		More than 50% of	of the symmetric o	control travel	A	More than 50% o	of the symmetric c	ontrol travel	A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs			of the symmetric o	control travel			of the symmetric o	ontrol travel	Α
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17		More than 50% o	of the symmetric of	control travel	A	More than 50% o	of the symmetric c	ontrol travel	A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs		More than 50% of	of the symmetric o	control travel	A	More than 50% o	of the symmetric c	ontrol travel	A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18		More than 50% (control travel	A	More than 50% (ontrol travel	A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release		No No Stops spinning in		control travel	A A A	No No Stops spinning in		ontrol travel	A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs		More than 50% (control travel	A	More than 50% (ontrol travel	A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19		No No Stops spinning is	n less than 90°	control travel	A A A	No No Stops spinning in	n less than 90°	ontrol travel	A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release		No No Stops spinning in No Changing course	n less than 90°		A A A A	No No Stops spinning in No Changing course	n less than 90°	ontrol travel	A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19		No No Stops spinning in No Changing course	n less than 90°		A A A	No No Stops spinning in No Changing course	n less than 90°	ontrol travel	A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery		No Stops spinning in No Changing course Remains stable Spontaneous in	n less than 90° e less than 45° with straight span		A A A A A	No Stops spinning in No Changing course Remains stable Spontaneous in	n less than 90° elless than 45° with straight span	ontrol travel	A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit		No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30°	n less than 90° e less than 45° with straight span		A A A A A	No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30°	n less than 90° elless than 45° with straight span	ontrol travel	A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery		No Stops spinning in No Changing course Remains stable Spontaneous in	n less than 90° e less than 45° with straight span		A A A A A	No Stops spinning in No Changing course Remains stable Spontaneous in	n less than 90° elless than 45° with straight span	ontrol travel	A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20		No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No	n less than 90° e less than 45° with straight span less than 3 sec		A A A A A	No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No	n less than 90° e less than 45° with straight span less than 3 sec	ontrol travel	A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure		More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re	n less than 90° e less than 45° with straight span less than 3 sec		A A A A A A A	More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re	n less than 90° e less than 45° with straight span less than 3 sec	ontrol travel	A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears		No No Stops spinning is No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight	n less than 90° eless than 45° with straight span less than 3 sec equired		A A A A A A A A	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight	n less than 90° eless than 45° with straight span less than 3 sec equired	ontrol travel	A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery		No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in	n less than 90° eless than 45° with straight span less than 3 sec equired		A A A A A A A A	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in	n less than 90° eless than 45° with straight span less than 3 sec equired	ontrol travel	A A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit		No No Stops spinning is No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight	n less than 90° eless than 45° with straight span less than 3 sec equired		A A A A A A A A	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight	n less than 90° eless than 45° with straight span less than 3 sec equired	ontrol travel	A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit		No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device restable flight Spontaneous in 0° - 30°	n less than 90° a less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° bis 30°	e less than 45° with straight span less than 3 sec equired	ontrol travel	A A A A A A A A A A A A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure		More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device results of the Spontaneous in 0° - 30° Special device results of the Spontaneous in 0° - 30°	n less than 90° a less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A A A A A A A A A A A A	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° bis 30°	e less than 45° with straight span less than 3 sec equired	ontrol travel	A A A A A A A A A A A A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears		More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° - 30° Special device re Stable flight	n less than 90° e less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A A A A A A A A A A A A	More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° bis 30°	e less than 90° e less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A A A A A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure		More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° - 30° Special device re Stable flight	n less than 90° a less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A A A A A A A A A A A A	More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° bis 30°	e less than 45° with straight span less than 3 sec equired		A A A A A A A A A A A A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	spin	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Stable flight Spontaneous in 0° - 30° Stable flight Spontaneous in 0° - 30°	n less than 90° e less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A A A A A A A A A A A A	No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Spontaneous in 0° bis 30° Special device re Stable flight Recovery throug	e less than 90° e less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A A A A A A A A A A A A A A
Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears Recovery	spin	More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device results of the Spontaneous in 0° - 30° Stable flight Spontaneous in 0° - 30° Special device results of the Spontaneous in 0° - 30° Stable flight Recovery through 3 sec	n less than 90° e less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A B B	More than 50% of No No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device restable flight Spontaneous in 0° bis 30° Special device restable flight Recovery throug 3 sec	e less than 90° e less than 45° with straight span less than 3 sec equired less than 3 sec		A A A A A A B B

22. Behaviour exiting a steep spiral - 4.4.22				
Tendency to return to straight flight	Spontaneous exit	А	Spontaneous exit	Α
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α
23. Alternative means of directional control - 4	.4.23			
180° turn achievable in 20 sec	Yes	А	Yes	Α
Stall or spin occurs	No	Α	No	Α
24. Any other flight procedure and/or configura	ation described in the user's manual - 4.4.24			
Procedure works as descibed		NA		NA
Procedure suitable for novice pilots		NA		NA
Cascade occurs		NA		NA
25. Remarks of testpilot:				
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