Manufacturer		Type testing No.		
		Date of testing		European Para Academy
Model	lon 27	Location	Achensee / Rofan	LBA Musterprüfstelle

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	Mike Küng		Eki Maute	2	
Harness	Academy Gurtzeug	A CONTRACT	EPA Equipment	134	
Pilot's take off weight	100 kg		130	kg	

Classification

В

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	А	Smooth, easy and constant rising	A
Special take off technique required		No	А	No	A
2. Landing - 4.4.2					
Special landing technique required		No	А	No	А
3. Speeds in straight flight - 4.4.3					
Trim speed more than 30km/h		Yes	A	Yes	A
Speed range using the controls larger than 10km/	'n	Yes	А	Yes	А
Minimum speed		Less than 25 km/h	А	Less than 25 km/h	А
4. Control movement - 4.4.4					
Max. weight in flight up to 80kg			-		-
Max. weight in flight 80 to 100kg		Increasing > 60cm	А		-
Max. weight in flight greater than 100kg			-	Increasing >65 cm	А
5. Pitch stability exiting accelerated flight - 4.4	.5				
Dive forward angle on exit		Dive forward less than 30°	e forward less than 30° A Dive forward less than 30°		А
Collapse occurs		No	A	No	A
6. Pitch stability operating controls during acc	elerated f	light - 4.4.6			
Collapse occurs		No	А	No	А
7. Roll stability and damping - 4.4.7					
Oscillations		Reducing	А	Reducing	А
8. Stability in gentle spirals - 4.4.8					
Tendency to return to straight flight		Spontaneous exit	A	Spontaneous exit	A
9. Behaviour in a steeply banked turn - 4.4.9					
Sink rate after two turns		Up to 12m/s	A	More than 14m/s	В
10. Symmetric front collapse - 4.4.10					
Entry	_	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	speed	Spontaneous in less than 3 sec	А	Spontaneous in less than 3 sec	А
Dive forward angle on exit	trim	0° - 30° Keeping course	А	0° - 30° Keeping course	A
Cascade occurs	±	No	A	No	A
Entry	þ	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	rate	Spontaneous in less than 3 sec	A	Spontaneous in less than 3 sec	A
Dive forward angle on exit	accelerated	0° - 30° Keeping course	A	0° - 30° Keeping course	A
Cascade occurs	Ø	No	А	No	А

11. Exiting deep stall (parachutal stall) - 4.4.11 Deep stall achieved	Yes				Yes				
Recovery			less than 3 sec		А		less than 3 sec		A
•						0°- 30°			
Dive forward angle on exit Change of course		0° - 30° Changing course less than 45°		A	0°- 30° Changing cours	se less than 45°		A A	
Cascade occurs		No			A	No			ļ
12. High angle of attack recovery - 4.4.12									
Recovery		Spontaneous in	less than 3 sec		А	Spontaneous ir	less than 3 sec		A
Cascade occurs		No			A	No			ŀ
13. Recovery from a developed full stall - 4.4.1	3	110				110			
Dive forward angle on exit		0°- 30°			A	0°- 30°			ŀ
Collapse		No collapse			А	No collapse			ŀ
Cascade occurs (other than collapse) Rocking backward		No Less than 45°			A	No Less than 45°			1
Line tension		Most lines tight			A	Most lines tight			A A
14. Asymmetric collapse (trim speed) - 4.4.14		, v							
Change of course until re-inflation		< 90°	Dive or roll angle	15°- 45°	А	< 90°	Dive or roll angle	0°- 15°	ļ
change of course until re-imation	bse	< 30	Dive of foil angle	15 - 45	A	< 30	Dive of foil angle	0 - 13	,
Re-inflation behavior	trim speed, < 50% colla	Spontaneous re	e-inflation		А	Spontaneous re	e-inflation		A
Total change of course	u sp	Less than 360°			A	Less than 360°			ŀ
Collapse on the opposite side occurs	trim speed, max 50% collapse	No			А	No			A
Twist occurs	Ê	No No			A	No No			A
Cascade occurs			Dia	450 450	A		D	450 450	
Change of course until re-inflation	ose	90°- 180°	Dive or roll angle	15° - 45°	В	90°- 180°	Dive or roll angle	15° - 45°	E
Re-inflation behavior	trim speed, max 75% collapse	Spontaneous re	e-inflation		А	Spontaneous re	e-inflation		A
Total change of course	trim speed, < 75% colla	Less than 360°			A	Less than 360°			ŀ
Collapse on the opposite side occurs	trim x 75	No			A	No			Ā
Twist occurs	ma	No			А	No			ŀ
Cascade occurs		No			A	No			ŀ
Change of course until re-inflation	m	< 90°	Dive or roll angle	15° - 45°	А	< 90°	Dive or roll angle	15° - 45°	A
•	accelerated, max 50% collapse			1				1	
Re-inflation behavior	accelerated, tx 50% collap	Spontaneous re	e-inflation		A	Spontaneous re	e-inflation		A
Total change of course	cele 50%	Less than 360°			А	Less than 360°			A
Collapse on the opposite side occurs	ao ax 5	No			A	No			ŀ
Twist occurs Cascade occurs	E	No No			A	No No			A A
			Discours	150 450	B		Discourt	150 150	E
Change of course until re-inflation	ose	90°- 180°	Dive or roll angle	15° - 45°	В	90°- 180°	Dive or roll angle	15° - 45°	E
Re-inflation behavior	accelerated, max 75% collapse	Spontaneous re-inflation		А	Spontaneous re-inflation		A		
Total change of course	eler: 5% 0	Less than 360°		A	Less than 360°		A		
Collapse on the opposite side occurs	acc ax 75	No		А	No No No			A	
Twist occurs Cascade occurs	Ĕ	No No						A	A A
15. Directional control with a maintained asym	metric co				A				
Able to keep course straight		Yes			A	Yes			ŀ
180° turn away from the collapsed side possible in	10 500	Yes				Yes			A
tan away non the conapsed side possible if	. 10 300				A	100			/
Amount of control range between turn and stall or spin		More than 50% of the symmetric control travel A			More than 50% of the symmetric control travel			Å	
16. Trim speed spin tendency - 4.4.16		·							
Spin occurs		No			А	No			ŀ
17. Low speed spin tendency - 4.4.17									
Spin occurs		No			А	No			ŀ
18. Recovery from a developed spin - 4.4.18									
Spin rotation angle after release		Stops spinning in less than 90°			А	Stops spinning	in less than 90°		ŀ
Cascade occurs		No			A	No			ŀ
19. B-line-stall - 4.4.19		•							
Change of course before release		Changing cours	se less than 45°		A	Changing cours	e less than 45°		ŀ
Behaviour before release		Remains stable with straight span			A		with straight span	1	4
ברומיוטעו שבוטוב וכובמשב									
Recovery		Spontaneous in less than 3 sec			А	Spontaneous in less than 3 sec			Å
Dive forward angle on exit		0° - 30°			А	0° - 30°			ŀ
Cascade occurs		No			А	No			ŀ
20. Big ears - 4.4.20									
Entry procedure		Standard techni	ique		А	Standard techn	ique		A
Behaviour during big ears		Stable flight		A	Stable flight			ŀ	
		Spontaneous in less than 3 sec		A	Spontaneous in less than 3 sec				
Recovery					A				
Dive featured as also as a 2	Dive forward angle on exit		0° - 30°			0° bis 30°			ŀ
									1
Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21		Standard technique			А	Standard techn	ique		ŀ
		Standard techni	ique	Stable flight					-
21. Big Ears in accelerated flight - 4.4.21			ique		A	Stable flight			ŀ
21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears		Stable flight	<u> </u>				less than 3 sec		
21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears Recovery		Stable flight Spontaneous in	ique		А	Spontaneous in	less than 3 sec		ļ
21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears	ator while	Stable flight	<u> </u>				less than 3 sec		4 4 4 4

Tendency to return to straight flight	Spontaneous exit	٨	Spontaneous exit	٨
Tendency to return to straight hight	Spontarieous exit	A	Spontaneous exit	A
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	А	Less than 720°, spontaneous recovery	
23. Alternative means of directional control -	4.4.23	•		
180° turn achievable in 20 sec	Yes	А	Yes	А
Stall or spin occurs	No	A	No	A
24. Any other flight procedure and/or configu	ration 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:				