## FTR - Flight Test Report

Dieser Prüfbericht darf ohne schriftliche Zustimmung der EAPR nicht, auch nicht auszugsweise, vervielfältigt werden.





Rev. 2.3 - 26.11.2014 EAPR GmbH - Marktstr. 11 D-87730 Bad Grönenbach - Germany

Date of testing	30.09.2016	Minimum take off weight 78 kg	Maximum take off weight 100 kg			
Testpilot		According to the flighttests from the 30th September 2016, the following results have been confirmed.				
Harness						
Pilot's take off weight						

Classification C



Test-criteria	est-criteria		Evaluation	Maximum take off weight	Evaluation	
1. Inflation / take-off - 4.4.1						
Rising behavior		Easy rising, some pilot correction is required	В	Easy rising, some pilot correction is required	В	
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	Α	
Minimum speed		25 km/h to 30 km/h	В	25 km/h to 30 km/h	В	
4. Control movement - 4.4.4						
Max. weight in flight up to 80kg			-		-	
Max. weight in flight 80 to 100kg	Max. weight in flight 80 to 100kg		С	Increasing 45cm - 60cm	С	
Max. weight in flight greater than 100kg			-		-	
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°	Α	
Collapse occurs		No	A	No	A	
6. Pitch stability operating controls during ac	celerated	flight - 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	A	
9. Behaviour exiting a fully developed spiral	dive - 4.4.	9			-	
Initial response of glider (first 180°)		No immediate reaction	В	No immediate reaction	В	
Tendency to return to straight flight		Spontaneous exit	A	Spontaneous exit	A	
Turn angle to recover normal flight		720° to 1080°, spontaneous recovery	В	720° to 1080°, spontaneous recovery	В	
10. Symmetric front collapse - 4.4.10						
Folding lines used		No		No		
Entry	8	Rocking back less than 45°	Α	Rocking back less than 45°	Α	
Recovery	%(00 ~ peeds	Spontaneous in 3 to 5 sec	В	Spontaneous in 3 to 5 sec	В	
Dive forward angle on exit	- ii	0° - 30° Entering a turn of less than 90°	Α	30° - 60° Keeping course	В	
Cascade occurs	d	No	Α	No	Α	
Entry	8	Rocking back less than 45°	Α	Rocking back less than 45°	Α	
Recovery	7 P8 08	Spontaneous in 3 to 5 sec	В	Spontaneous in 3 to 5 sec	В	
Dive forward angle on exit	ii.	30° - 60° Entering a turn of less than 90°		0° - 30° Keeping course	Α	
Cascade occurs	Ē	No	Α	No	Α	
Entry	ś	Rocking back less than 45°	Α	Rocking back greater than 45°	С	
Recovery	A 200	Spontaneous in 3 to 5 sec	В	Spontaneous in 3 to 5 sec	В	
Dive forward angle on exit Cascade occurs	accele	30° - 60° Entering a turn of 90° to 180° No	C A	0° - 30° Entering a turn of less than 90° No	A	
11. Exiting deep stall (parachutal stall) - 4.4.1	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		30°-60°	В	30° - 60°	В	
Change of course		Changing course less than 45°	A	Changing course less than 45°	A	
Cascade occurs		No	A	No A		

12. High angle of attack recovery - 4.4.12									
				Sportaneous in loss than 2 age					
Recovery	Spontaneous in less than 3 sec		A	Spontaneous in less than 3 sec			A		
Cascade occurs  13. Recovery from a developed full stall - 4.4.	No		Α	No			Α		
Dive forward angle on exit	30° - 60°			В	30°-60°			В	
Collapse	No collapse			Α	No collapse			A	
Cascade occurs (other than collapse) Rocking backward		No Less than 45°			A	No Less than 45°	No		
Line tension		Most lines tight			A	Most lines tight			A A
14. Asymmetric collapse (trim speed) - 4.4.14									
Folding lines used		No	1			No			
Change of course until re-inflation	9	< 90°	Dive or roll angle	15° - 45°	Α	< 90°	Dive or roll angle	15° - 45°	Α
Re-inflation behavior	trim speed, max 50% collapse	Spontaneous re-inflation			Α	Spontaneous re-		Α	
Total change of course	trim speed x 50% colla	Less than 360°			A	Less than 360° No No No			A
Collapse on the opposite side occurs	trim ax 50	No			Α				Α
Twist occurs Cascade occurs	Ē	No No			A				A
		90° - 180°	Dive or roll angle	15° - 45°	В	< 90°	Dive or roll angle	45° - 60°	C
Change of course until re-inflation	pse pse	90 - 100	Dive or for angle	15 - 45	В	× 90	Dive or foil angle	45 - 60	
Re-inflation behavior	colla	Inflates in less th	nan 3 sec from st	art of pilot action	С	Spontaneous re-	inflation		Α
Total change of course	trim speed, max 75% collapse	Less than 360°			A A	Less than 360° No			Α
Collapse on the opposite side occurs Twist occurs	nax tri	No No	No No						A A
Cascade occurs	_	No			A A	No No			A
Change of course until re-inflation		90° - 180°	Dhen	15° - 45°	D	< 00°	Dhe	15° - 45°	^
Change of course until re-inflation	bse	90" - 180"	Dive or roll angle	15" - 45"	В	< 90°	Dive or roll angle	15" - 45"	Α
Re-inflation behavior	accelerated, max 50% collapse	Spontaneous re-	-inflation		Α	Spontaneous re-	inflation		Α
Total change of course	celer 50% c	Less than 360°			Α	Less than 360°			Α
Collapse on the opposite side occurs	ac nax 5	No No			A A	No No			A A
Twist occurs Cascade occurs	-	No No		A	No			A	
Change of course until re-inflation		90° - 180°	Dive or roll angle	45° - 60°	С	< 90°	Dive or roll angle	45° - 60°	С
	accelerated, max 75% collapse								
Re-inflation behavior	coll		nan 3 sec from st	art of pilot action	С	Spontaneous re-	inflation		Α
Total change of course  Collapse on the opposite side occurs	ccelk 75%	Less than 360° No			A	Less than 360° No No			A A
Twist occurs	max a	No No			A				A
Cascade occurs		No			Α	No			Α
15. Directional control with a maintained asym	metric col								
Able to keep course straight		Yes			A	Yes			A
180° turn away from the collapsed side possible in	Yes			Α	Yes			Α	
Amount of control range between turn and stall or spin		25% to 50% of the symmetric control travel			С	25% to 50% of the symmetric control travel			С
16. Trim speed spin tendency - 4.4.16					4				
Spin occurs		No			Α	No	Α		
17. Low speed spin tendency - 4.4.17									
Spin occurs		No			Α	No			Α
18. Recovery from a developed spin - 4.4.18		1							
Spin rotation angle after release		Stops spinning in less than 90°		Α	Stops spinning in 90° to 180°			С	
Cascade occurs		No		Α	No			Α	
19. B-line-stall - 4.4.19		Lou :				La:			
Change of course before release		Changing course less than 45°		A	Changing course less than 45°			A	
Behaviour before release		Remains stable without straight span		С	Remains stable without straight span			С	
Recovery		Spontaneous in less than 3 sec		Α	Spontaneous in 3 to 5 sec			В	
Dive forward angle on exit		30° - 60°		Α	0° - 30°			Α	
Cascade occurs		No			Α	No			Α
20. Big ears - 4.4.20									
Entry procedure	Standard technique			Α	Special device required			Α	
Behaviour during big ears	Stable flight			Α	Stable flight			Α	
Recovery	Spontaneous in 3 to 5 sec			В	Recovery through pilot action in less than a furthe 3 sec			В	
Dive forward angle on exit		0° - 30°			Α	0° bis 30°			Α
21. Big Ears in accelerated flight - 4.4.21									
Entry procedure		Standard technique			Α	Standard technique			Α
Behaviour during big ears		Stable flight		Α	Stable flight			Α	
Recovery		Spontaneous in 3 to 5 sec		A	Recovery through pilot action in less than a further			В	
Dive forward angle on exit		0° - 30°		A	3 sec 0° bis 30°			A	
Behaviour immediately after releasing the accelarator while		Stable flight		A	Stable flight			A	
maintaining big ears	1.4.00				- 7.	ogrit			- / (
23. Alternative means of directional control - 4	+.4.22								
180° turn achievable in 20 sec	Yes			Α	Yes			Α	
Stall or spin occurs		No			Α	No			Α
23. Any other flight procedure and/or configure	ation desc	cribed in the user	's manual - 4.4.	.23					***
Procedure works as descibed Procedure suitable for novice pilots				NA NA				NA NA	
Cascade occurs				NA				NA	
24. Remarks of testpilot:						ı			
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