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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Flight test report: EN 926-2:2013 & NfL 2-565-20

Special take off technique required No A No A 2. Landing A A No A No A Special landing technique required No A No A No A 3. Speed in straight flight A Trim speed more than 30 km/h Yes A Yes A 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 movement A Control movement A 4. Control movement A Increasing / greater than 55 cm A Increasing / greater than 55 cm A Symmetric control pressure / travel not available 0 not available 0 not available 0 Symmetric control pressure / travel not available 0 not available 0 No A lore available 0 5. Pitch stability exiting accelerated flight A Interestablity operating controls during accelerated flight (sight) A	•						
17165 La Cellera de Ter Girons Spain			Certification number	F	PG_1940.2022		
Serial number OKT4242V1 Representative None Trimmer no Place of test Villeneuve Folding lines used no Villeneuve Test pliot Selko Fukuoka Philippe Dupont Harness Supair - Altiplume S Advance - Success 4 M Harness to risers distance (cm) 44 44 Distance between risers (cm) 40 40 Total weight in flight (kg) 60 80 1.Inflation/Take-off A Smooth, easy and constant rising A Secial take off technique required No A No A Special take off technique required No A No A No A 2. Landing A No A No A No A 3. Special take off technique required No A No A No A 4. Landing A Yes A Yes A Yes A 5. Special take off technique required No A Yes A	Address	17165 La Cellera de Ter Girona	Flight test	2	7.08.2019		
Trimmer	Glider model	Koyot 5 24	Classification	A	1		
Trimmer	Serial number	OIKT4242V1	Representative	Ν	lone		
Folding lines used no Test pllot Selko Fukuoka Phillippe Dupont Harness Some Supair - Altiplume S Advance - Success 4 M Advance - Success 4 M Advance between risers (cm) 44 44 44 44 Advance - Success 4 M Advance between risers (cm) 40 Advance between risers (cm) 40 Botton B			•				
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2. Landing A Special landing technique required No A No A 3. Speed in straight flight A A Trim speed more than 30 km/h Yes A Yes A Speed range using the controls larger than 10 km/h Yes A Yes A Minimum speed Less than 25 km/h A Yes A 4. Control movement A Less than 25 km/h A Increasing / greater than 55 cm A A Increasing / greater than 55 cm A Increasing / greater	Rising behaviour		Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α	
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A. Control movement Max. weight in flight up to 80 kg Symmetric control pressure / travel Increasing / greater than 55 cm A Max. weight in flight 80 kg to 100 kg Symmetric control pressure / travel not available on available	Speed range using the co	ntrols larger than 10 km/h	Yes	Α	Yes	Α	
Max. weight in flight up to 80 kg Symmetric control pressure / travel	Minimum speed		Less than 25 km/h	Α	Less than 25 km/h	Α	
Symmetric control pressure / travel Increasing / greater than 55 cm A Increasing / greater than 55 cm A Max. weight in flight 80 kg to 100 kg Symmetric control pressure / travel not available 0 not availab	4. Control movement		Α				
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recovery recovery 10. Symmetric front collapse A			decreasing, rate of turn decreasing)		decreasing, rate of turn decreasing)	A	
			recovery	Α		Α	
Approximately 30 % chord	-		A				
	Approximately 30 % cho	ord					

Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping	Α	Dive forward 0° to 30° / Keeping	Α
Bive forward ungle on exit? Onlinge of course	course	,,	course	,,
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping	Α	Dive forward 0° to 30° / Keeping	Α
Casada assura	course	^	course	^
Cascade occurs	No	A	No	A
Folding lines used	No	Α	No	Α
11. Exiting deep stall (parachutal stall)	A			
Deep stall achieved	Yes	Α	Yes	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
Change of course	Changing course less than 45°	Α	Changing course less than 45°	Α
Cascade occurs	No	Α	No	Α
12. High angle of attack recovery	A			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Cascade occurs	No	Α	No	Α
13. Recovery from a developed full stall	A			
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
Collapse	No collapse	Α	No collapse	Α
Cascade occurs (other than collapses)	No	Α	No	Α
Rocking back	Less than 45°	Α	Less than 45°	Α
Line tension	Most lines tight	Α	Most lines tight	Α
			wost inles tight	
14. Asymmetric collapse	A			
Small asymmetric collapse	Lacathan 00° / Diva on rell angle	^	Loop their COS / Division well aware	^
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	А	Less than 90° / Dive or roll angle 0° to 15°	Α
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	Α	Less than 90° / Dive or roll angle 0° to 15°	Α
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
Small asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	Α	Less than 90° / Dive or roll angle 0° to 15°	Α

Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	Α	Less than 90° / Dive or roll angle 15° to 45°	Α
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Total change of course	Less than 360°	Α	Less than 360°	Α
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	Α	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	Α
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	Α
16. Trim speed spin tendency	Α			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	Α			
Spin occurs	No	Α	No	Α
18. Recovery from a developed spin	Α			
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 stall	Α			
Change of course before release	Changing course less than 45°	Α	Changing course less than 45°	Α
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°	Α	Dive forward 0° to 30°	Α
Cascade occurs	No	Α	No	Α
20. Big ears	A			
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 in accelerated flight	Α			
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
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	Stable flight	Α
22. Alternative means of directional control	A			
180° turn achievable in 20 s	Yes	Α	Yes	Α
Stall or spin occurs	No	Α	No	Α
23. Any other flight procedure and/or configuration described in the user's manual	0			
Procedure works as described	not available	0	not available	0
Procedure suitable for novice pilots	not available	0	not available	0
Cascade occurs	not available	0	not available	0
24 Comments of test pilot				