para-test.com

Escape Gliders

PG_0663.2013

AIR TURQUOISE SA certified by



Flight test report: EN

Manufacturer

Recovery

Manufacturei	Locape Onders	Certification number		10_0003.2013	
Address	489, route de Grasse 06140 Vence France	Date of flight test		19. 01. 2013	
Representative	Alloix Pierre-Yves	Place of test		Villeneuve	
Glider model	S31 L	Classification		C	
Trimmer	no			-	
	10				
	Test pilot	Thurnheer Claude		Zoller Alain	
	Harness	Gin Gliders - Gingo 2 L		Gin Gliders - Gingo 2 L	
	Total weight in flight (kg)	100		125	
1. Inflation/Take-off		Α			
Rising behaviour		Smooth, easy and constant rising	А	Smooth, easy and constant rising	А
Special take off techniqu	le required	No	А	No	А
2. Landing		Α			
Special landing techniqu		No	А	No	А
3. Speed in straight flig		Α			
Trim speed more than 3		Yes	Α	Yes	А
	controls larger than 10 km/h	Yes	А	Yes	А
Minimum speed		Less than 25 km/h	А	Less than 25 km/h	A
4. Control movement		Α			
Max. weight in flight up t			•		
Symmetric control pressure / travel		not available	0	not available	0
Max. weight in flight 80 kg to 100 kg			•		•
Symmetric control pressure / travel		not available	0	not available	0
Max. weight in flight greater than 100 kg			•		•
Symmetric control pressure / travel		Increasing / greater than 65 cm	A	Increasing / greater than 65 cm	A
5. Pitch stability exiting accelerated flight		A Dive forward less than 30°	А	Dive forward less than 30°	۸
Dive forward angle on exit		No	A	No	A A
Collapse occurs 6. Pitch stability operating controls during accelerated		A	A	NO	A
flight	ting controls during accelerated	~			
Collapse occurs		No	А	No	А
7. Roll stability and damping		Α			
Oscillations		Reducing	А	Reducing	А
8. Stability in gentle spirals		Α			
Tendency to return to straight flight		Spontaneous exit	А	Spontaneous exit	А
9. Behaviour in a steeply banked turn		В			
Sink rate after two turns		More than 14 m/s	В	More than 14 m/s	В
10. Symmetric front co	llapse	В			
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 / Change of course		Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs		No	А	No	А
With accelerator					
Entry		Rocking back less than 45°	A	Rocking back less than 45°	A
			0		

Certification number

Spontaneous in 3 s to 5 s B Spontaneous in 3 s to 5 s

В

Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	А	No	А
11. Exiting deep stall (parachutal stall)	Α			
Deep stall achieved	Yes	А	Yes	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 0° to 30°	А
Change of course	Changing course less than 45°	А	Changing course less than 45°	А
Cascade occurs	No	А	No	А
12. High angle of attack recovery	Α			
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Cascade occurs	No	А	No	А
13. Recovery from a developed full stall	Α			
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	А	Most lines tight	А
14. Asymmetric collapse	В			
With 50% collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15° $$	A	Less than 90° / Dive or roll angle 0° to 15° $$	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 75% collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	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°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 50% collapse and accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 15° to 45° $$	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
With 75% collapse and accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	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°	А
Collapse on the opposite side occurs	No	А	No	А
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
15. Directional control with a maintained asymmetric collapse	A			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
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	A

Spin occursNoANoA17. Low speed spin tedneryASpin occursNoANoA18. Recovery from a developed spinAStops spinning in less than 0°AStops spinning in less than 0°A19. Totation angle after releaseStops spinning in less than 15°ANoANoA19. B-line stallAChanging course less than 45°ANoARecourse less releaseChanging course less than 45°ARemains stable with straight spinARemains stable with straight spinARemains stable with straight spinARecourse less releaseSpin tancours in less than 3ASpin tancours in less than 3ANoAARecoverySpontaneous in less than 3ASpontaneous in less than 3ASpin tancours in less than 3 </th <th>16. Trim speed spin tendency</th> <th>Α</th> <th></th> <th></th> <th></th>	16. Trim speed spin tendency	Α			
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25. Comments of test pilot	Procedure suitable for novice pilots	not available	0	not available	0
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Comments	25. Comments of test pilot				
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