Flight test report

Manufacturer Gin Gliders

Trimmer

Address 586-5 Ilsan-Ri, Mohyun-Myun

Yongin City Kyunggi-Do 449-855

Representive None Type of glider Bolero 3 L not available

PG 014.2006 Certification number Date of flight test 07.11.2006 Villeneuve Place of test



Classification B

Alain Zoller Gin - Gingo L 120 kg Test Pilot Claude Thurnheer Harness Genie III Total weight in flight 95 kg

		Min weight	Max weight	
1. Inflation/Tal				
	Rising behaviour Special take off technique required	Smooth, easy and constant rising A No A	Smooth, easy and constant rising No	A A
2. Landing				
3. Speed in str	Special landing technique required	No A	No	Α
3. Speed III Sti	Trim speed more than 30 km/h	Yes A	Yes	Α
	Speed range using the controls larger than 10 km/h	Yes A		Α
	Minimum speed	Less than 25 km/h A	Less than 25 km/h	Α
4. Control mov				
	Max. weight in flight up to 80 kg	not available (not available	0
	Symmetric control pressure/travel Max. weight in flight 80 kg to 100 kg	not available	Hot available	U
	Symmetric control pressure/travel	Increasing, Greater than 65 cm A	not available	0
	Max. weight in flight greater than 100 kg	.		
	Symmetric control pressure/travel	not available (Increasing, Greater than 65 cm	Α
5. Pitch stabili	ity exiting accelerated flight	Dive femoral less than 200	Dive ferroard less than 20%	۸
	Dive forward angle on exit Collapse occurs	Dive forward less than 30° A No A	Dive forward less than 30° No	A A
6. Pitch stabili	ity operating controls during accelerated flight	7.		
	Collapse occurs	No A	No	Α
7. Roll stability	y and damping	Destrologi	De destas	
Q Ctability in	Oscillations	Reducing A	Reducing	Α
8. Stability in	gentie spirais Tendency to return to straight flight	Spontaneous exit A	Spontaneous exit	Α
9. Behaviour i	n a steeply banked turn	7		
	Sink rate after two turns	More than 14 m/s	More than 14 m/s	В
10. Symmetric	front collapse			
	Entry	Rocking back less than 45° A	Rocking back less than 45°	A
	Recovery Dive forward angle on exit	Spontaneous in less than 3 s Dive foward 0°to 30°, Keeping course A	Spontaneous in less than 3 s Dive foward 0°to 30°, Keeping course	A A
	Cascade occurs	No A	No	A
	With accelerator			
	Entry	Rocking back less than 45° A	Rocking back less than 45°	Α
	Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s	A
	Dive forward angle on exit Cascade occurs	Dive foward 0°to 30°, Keeping course A No A	Dive foward 0°to 30°, Keeping course No	A A
11. Exiting de	ep stall (parachutal stall)	NO A	INO	^
. 5	Deep stall achieved	Yes A	Yes	Α
	Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s	Α
	Dive forward angle on exit	Dive forward 0°to 30° A	Dive forward 0°to 30°	A
	Change of course Cascade occurs	Changing course less than 45° A No A	Changing course less than 45° No	A A
12. High angle	of attack recovery	A A	NO	
3 . 3 .	Recovery	Spontaneous in less than 3 s	Spontaneous in less than 3 s	Α
	Cascade occurs	No A	No	Α
13. Recovery f	from a developed full stall	Dive forward 0% to 30%	Dive forward 0°to 20°	۸
	Dive forward angle on exit Collapse	Dive forward 0°to 30° A No collapse A	Dive forward 0°to 30° No collapse	A A
	Cascade occurs (other than collapse)	No A	No	A
	Rocking back	Less than 45° A	Less than 45°	Α
	Line tension	Most line tight A	Most line tight	Α
14. Asymmetri				
	With 50% collapse-Maximum dive forward or roll angle Change of course until re-inflation	Less than 90°, Dive or roll angle 0° to 15° A	Less than 90°, Dive or roll angle 0° to 15°	Α
	Re-inflation behaviour	Spontaneous re-inflation A	Spontaneous re-inflation	A
	Total change of course	Less than 360° A	Less than 360°	Α
	Collapse on the opposite side occurs	No A		Α
	Twist occurs		No No	A
	Cascade occurs With 75% collapse-Maximum dive forward or roll angle	No A	No	Α
	Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45° A	Less than 90°, Dive or roll angle 15° to 45°	Α
	Re-inflation behaviour	Spontaneous re-inflation A	Spontaneous re-inflation	Α
	Total change of course	Less than 360° A	Less than 360°	Α
	Collapse on the opposite side occurs	No A	No	A
	Twist occurs Cascade occurs	No A No A	No No	A A
	With 50% collapse and accelerator-Maximum dive forward or		NO	^
	Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45° A	Less than 90°, Dive or roll angle 15° to 45°	Α
	Re-inflation behaviour	Spontaneous re-inflation A	Spontaneous re-inflation	Α
	Total change of course	Less than 360° A	Less than 360°	Α
	Collapse on the opposite side occurs	No A	No	Α

				1	
	Twist occurs	No		No	Α
	Cascade occurs	No	Α	No	Α
	With 75% collapse and accelerator-Maximum dive forward of				
	Change of course until re-inflation	Less than 90°, Dive or roll angle 15° to 45°		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	Α	No	Α
	Twist occurs	No	Α	No	Α
	Cascade occurs	No	Α	No	Α
15. Direction	al control with a maintained asymmetric collapse				
	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 spe	ed spin tendency				
	Spin occurs	No	Α	No	Α
17. Low spee	ed spin tendency				
	Spin occurs	No	Α	No	Α
18. Recovery	r from a developed spin				
	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 sta	ıll				
	Change of course before release	Change of course less than 45°	Α	Change of 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					
	Entry procedure	Dedicated controls	Α	Standard technique	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				
	Entry procedure	Dedicated controls	Α	Standard technique	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. Behaviou	ır exiting a steep spiral				
	Tendency to return to straight flight	Spontaneous exit	Α	Spontaneous exit	Α
	Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α
	Sink rate when evaluating spiral stability [m/s]	17 m/s		19 m/s	
23. Alternativ	ve means of directional control				
	180° turn achievable in 20 s	Yes	Α	Yes	Α
	Stall or spin occurs	No	Α	No	Α
24. Any othe	r flight procedure and/or configuration described in the us				
	Procedure works as described	not available	0	not available	0
	Procedure suitable for novice pilots	not available		not available	0
	Cascade occurs	not available	0		0
Comments of					
	Comments	no		no	



Air Turquoise
Rue de la Poterlaz 6
Case postale 10
CH- 1844 Villeneuve
Switzerland
mobile: +41 79 202 52 30
Tel. no: +41 21 965 65 65
fax: +41 219 65 65 66
email: info@airturquoise.ch
homepage: www.cen.li