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test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



Flight test report: EN 926-2:2013+A1:2021* and NfL 2-565-20

Manufacturer Supair s.a.s. Address Parc Altais / 34 rue Ad		drastée	Certification numb	er	PG_2481.2024 15.11.2024	
Glider model Serial number Trimmer Folding lines used	74650 Chavanod France BIRDY 2 ML SA-BIR2-ML-P6-2409 no		Classification Representative Place of test		A None Villeneuve	
Test pilot		Alexandre Jofresa		Anselm Rauh		
Harness Harness to risers distance [cm] Distance between risers [cm]		Woody Valley srl Wani Light 2 L 43 44		Woody Valley srl Wani Light 2 L 43 48		
Total weight in fligh	it [kg]	90		110		
1. Inflation/Take-off Rising behaviour		A Smooth, easy and con	stant rising	A	Smooth, easy and constant rising	Α
Special take off technique	required	No	,	Α	No	Α
Landing Special landing technique required		A No		A	No	А
3. Speed in straight flight Trim speed more than 30 km/h		A Yes	,	A	Yes	Α
Speed range using the co	ntrols larger than 10 km/h	Yes A		Α	Yes	Α
Minimum speed		Less than 25 km/h	,	Α	Less than 25 km/h	Α
4. Control movement Max. weight in flight up to 80 kg Symmetric control pressure / travel		A not available	,	0	not available	0
Max. weight in flight 80 kg to 100 kg Symmetric control pressure / travel		Increasing / greater that	an 60 cm	A	not available	0
Max. weight in flight greater than 100 kg Symmetric control pressure / travel		not available	,	0	Increasing / greater than 65 cm	Α
5. Pitch stability exiting accelerated flight Dive forward angle on exit		A Dive forward less than	30°	A	Dive forward less than 30°	A
Collapse occurs		No	,	A	No	Α
6. Pitch stability operating controls during accelerated flight Collapse occurs		A No	,	A	No	A
7. Roll stability and dam Oscillations	ping	A Reducing	,	A	Reducing	A
8. Stability in gentle spirals Tendency to return to straight flight		A Spontaneous exit	,	A	Spontaneous exit	Α

Initial response of glober (first 180") Tondoncy to return to straight light Socrameous ent to force decreasing, relief but in decreasing to recover normal light Less then 730", sportaneous ent to force decreasing, relief but in decreasing to recover normal light 10. Symmetric front collapse Approximately 30 % chord Entry Rocking back less than 45" Rocking back less than 45" Rocking back less than 3 s Rocking back less than 3 s Rocking back less than 3 s Rocking back less than 45" Rocking	9. Behaviour exiting a fully developed spiral dive	A			
decreasing) Least than 7201, sportaneous recovery A Reco	Initial response of glider (first 180°)		Α	Immediate reduction of rate of turn	Α
Approximately 30 % chord Entry Recovery Special basis lies than 40° A Recovery Special basis lies than 40° A Special basis lies than 3 s A Special basis lies than 3 s A Special basis lies than 3 s A No A No A Recovery Booking basis lies than 40° A No A Recovery Booking basis lies than 40° A No A Recovery Booking basis lies than 40° A No A No A No A No A Recovery Booking basis lies than 40° A No A N	Tendency to return to straight flight		Α		Α
Approximately 30 % chord Entry Rocking back less than 45" A Rocking back less than 45" A Rocking back less than 45" A Spontaneous in less than 3 s A Dive forward angle on exit Change of course Dive forward 0"to 30" / Keeping course A No A No A No A Folding lines used No A No A No A Rocking back less than 45" A Rocking back less than	Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α
Recovery Spontaneous in less than 3 s	10. Symmetric front collapse Approximately 30 % chord	A			
Dive forward angle on exit Change of course Dive forward 0° to 30° / Keeping course A No A No A	Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Cascade occurs No A No Cascade occurs No No No A No	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Folding lines used No A No	Dive forward angle on exit Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
At least 50% chord Entry Rocking back less than 45° A Rocking back less than 45° A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward angle on exit / Change of course No A No A No A Rocking back less than 45° A No A No A No A No A Rocking back less than 45° A No A N	Cascade occurs	No	Α	No	Α
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Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward on the sum of	At least 50% chord	Dealing healt less than 459	^	Dooling book loss than 45°	^
Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A No A No A No A No A No A With accelerator Entry Rocking back less than 45° A Rocking back less than 45° A Rocking back less than 45° 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 Dive forward 0° to 30° / Keeping course A No A Spontaneous in less than 3 s A No Cascade occurs A No Cascade occurs A No A No	•	•			
Cascade occurs No No A No A No A No A No A With accelerator Entry Rocking back less than 45° A Recovery Spontaneous in less than 3 s A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Cascade occurs No A No A Dive forward 0° to 30° / Keeping course A Cascade occurs No A No A Dive forward 0° to 30° / Keeping course A Cascade occurs No A No A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Cascade occurs No A No A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / A Dive forward 0°	•				
Folding lines used No No A No A No A No A No A With accelerator Entry Rocking back less than 45° A Rocking back less than 45° A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A N	•				
With accelerator Entry Rocking back less than 45° A Rocking back less than 45° A Rocking back less than 45° A 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 No A N					
Entry Rocking back less than 45° A Rocking back less than 45° A Rocking back less than 45° A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A N	•	NO	А	No	А
Recovery Spontaneous in less than 3 s A Dive forward on to 30° / Keeping course A Dive forward on to 30° / Keeping course A No A Spontaneous in less than 3 s A Dive forward on to 30° A Dive forward on to 30° A Dive forward on to 30° A Changing course less than 45° A Changing course less than 45° A No					
Dive forward angle on exit / Change of course Dive forward 0° to 30° / Keeping course A Dive forward 0° to 30° / Keeping course A No A Dive forward 0° to 30° A No A N	Entry	-	А	-	Α
Cascade occurs No A No A No A No A No A No A 11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Recovery Spontaneous in less than 3 s A Dive forward angle on exit Dive forward 0° to 30° A Changing course less than 45° A Cascade occurs No A Cascade occurs No A Dive forward 0° to 30° A	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Folding lines used No A No A No A No A No A 11. Exiting deep stall (parachutal stall) A Deep stall achieved Yes A Yes A Yes A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward angle on exit Dive forward 0° to 30° A Change of course Changing course less than 45° A Cascade occurs No A No A No A Spontaneous in less than 45° A Changing course less than 45° A Cascade occurs No A No A No A Spontaneous in less than 3 s A Spontaneous in less than 45° A Spontaneous in less than 3 s A Spontaneous in less	Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
11. Exiting deep stall (parachutal stall) Deep stall achieved Yes A Yes A Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward on to 3000 A Dive forward on to 3000 A Dive forward on to 3000 A Changing course less than 4500 A Changing course less than 4500 A No 12. High angle of attack recovery Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No A No A No A Spontaneous in less than 3 s A No Cascade occurs No A	Cascade occurs	No	Α	No	Α
Deep stall achieved Yes A Yes A Yes A Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Change of course Change of course Changing course less than 45° A Changing course less than 45° A Changing course less than 45° A No A No A No A Spontaneous in less than 3 s A No	Folding lines used	No	Α	No	Α
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Dive forward on to 30 on the forward	11. Exiting deep stall (parachutal stall)		۸	Vec	Λ
Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Changing course less than 45° A No A 12. High angle of attack recovery Recovery A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No Collapse					
Change of course Changing course less than 45° A Changing course less than 45° A Cascade occurs No A No A No A No A Spontaneous in less than 3 s A Spontaneous in less than 3 s A No					
Cascade occurs No A 12. High angle of attack recovery Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Cascade occurs No A No A No A Dive forward 0° to 30° A No collapse A No collapse A No collapse A					
12. High angle of attack recovery Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A No A No A No A Dive forward 0° to 30° A No collapse A No collapse A No collapse					
Recovery Spontaneous in less than 3 s A Spontaneous in less than 3 s A Cascade occurs No A No A 13. Recovery from a developed full stall A Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Collapse A No collapse A No collapse A	Cascade occurs		Α	No	Α
Cascade occurs No A No A No A 13. Recovery from a developed full stall Dive forward 0° to 30° A Dive forward 0° to 30° A No collapse A No collapse A No collapse A	12. High angle of attack recovery Recovery		Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Collapse A No collapse A	Cascade occurs	No	Α	No	Α
Dive forward angle on exit Dive forward 0° to 30° A Dive forward 0° to 30° A Collapse A No collapse A	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
Cascade occurs (other than collapses) No A No A	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
14. Asymmetric collapse	A			
Small 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 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
Large asymmetric collapse				
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
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 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
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	•	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	A			
Able to keep course	Yes	Α	Yes	Α
180° turn away from the collapsed side possible in 10 s	Yes	Α	Yes	А
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	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency Spin occurs	A No	Α	No	Α
18. Recovery from a developed spin	A			
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	A			
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	А
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	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	A	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	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
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	Stable flight	Α
22. Alternative means of directional control	A		<u> </u>	_
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