## AIR TURQUOISE SA | PARA-TEST.COM

Route du Pré-au-Comte 8 🔺 CH-1844 Villeneuve 🔺 +41 (0)21 965 65 65

Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



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

Manufacturer	Triple Seven paragliders	+A1:2021" & NTL 2-56  Certification number		PG 2060.2022		
Address	Ulica Ane Ziherlove 10	Flight test		01.11.2022		
Addiess	1000 Ljubljana Slovenia	r light test		11.11.2022		
Glider model	Bishop 42	Classification	Е	3		
Serial number	Bi-42-196	Representative	None			
Trimmer	yes: closed	Place of test		Villeneuve		
-	· ·	riace or test	٠	illerieuve		
Folding lines used	no					
Test pilot		Anselm Rauh	(	Claude Thurnheer		
Harness		Supair - Evo XC 3 L	A	Advance - Bi-pro 3		
Harness to risers distance (cm)		44	4	42		
Distance between risers (cm)		55	5	55		
Total weight in fligh	` '	120		225		
Total weight in high	it (kg)	120		.ZJ		
1. Inflation/Take-off		В				
Rising behaviour		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		Α				
Special landing technique	•	No	Α	No	Α	
3. Speed in straight fligh		В				
Trim speed more than 30 km/h		Yes	Α	Yes	Α	
Speed range using the controls larger than 10 km/h		Yes	Α	Yes	A	
Minimum speed		Less than 25 km/h	Α	25 km/h to 30 km/h	В	
4. Control movement		A				
Max. weight in flight up to 80 kg		not evelleble	0		0	
Symmetric control pressure / travel		not available	0	not available	0	
Max. weight in flight 80 kg to 100 kg		not available	0	not available	0	
Symmetric control pressure / travel		not available	U	not available	U	
Max. weight in flight greater than 100 kg Symmetric control pressure / travel		Increasing / greater than 65 cm	Δ	Increasing / greater than 65 cm	Α	
		0		mercasing / greater than 65 cm		
5. Pitch stability exiting accelerated flight  Dive forward angle on exit		not available	0	not available	0	
Collapse occurs		not available	0	not available	0	
•	ng controls during accelerated	0				
Collapse occurs		not available	0	not available	0	
7. Roll stability and dam	ping	Α				
Oscillations		Reducing	Α	Reducing	Α	
8. Stability in gentle spirals		Α				
Tendency to return to straight flight		Spontaneous exit	Α	Spontaneous exit	Α	
9. Behaviour exiting a fu	ılly developed spiral dive	Α				
Initial response of glider (first 180°)		Immediate reduction of rate of turn	Α	Immediate reduction of rate of turn	Α	
Tendency to return to straight flight		Spontaneous exit (g force decreasing, rate of turn decreasing)	Α	Spontaneous exit (g force decreasing, rate of turn decreasing)	Α	
Turn angle to recover nor	mal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α	
10. Symmetric front coll	apse	Α				
Approximately 30 % chord						
Entry		Rocking back less than 45°	Α	Rocking back less than 45°	Α	

Recovery	Deserver	Consistence with large them 2 a	^	Country of the last them 2 a	^
Course	,	•		·	
Folding lines used	Dive forward angle on exit Change of course		А		А
Folding   lines used   No   No   A   No   No   A   A   No   No	Cascade occurs	No	Α	No	Α
Part	Folding lines used	No	Α	No	Α
Entity	-				
Rocovery   Spontaneous in less than 3 s   A   Spontaneous in less than 3 s   A   Dive forward or load or loa		Rocking back less than 45°	Α	Rocking back less than 45°	Α
Dive forward angle on exit / Change of course Cours	•	<del>-</del>		•	
Cascade occurs   No	,	•		•	
Folding lines used With accolorator  Entity not available on available on ot available on other ot	Bive forward drigite on exit? Offunge of course		,,		,,
Mith accelerator   Entry	Cascade occurs	No	Α	No	Α
Recovery not available not not available not	Folding lines used	No	Α	No	Α
Recovery Once available on exit / Change of course on to available on the available on th	With accelerator				
Recovery Onto available On otal available On otal available On not available On otal available On the available On not available On the availa	Entry	not available	0	not available	0
Cascade occurs    Not available   Not availabl	Recovery	not available	0	not available	0
Cascade occurs   Not available   O	Dive forward angle on exit / Change of course	not available	0	not available	0
Folding lines used  11. Exiting deep stall (parachutal stall)  A  Peep stall achieved  Recovery  Spontaneous in less than 3 s Dive forward or 10 a0?  A Change or course Changing course less than 45° A No  12. High angle of attack recovery A  Recovery  Spontaneous in less than 3 s A Spontaneous in less than 45° A Changing course less than 45° A No  12. High angle of attack recovery A  Recovery  Spontaneous in less than 3 s A Spontaneous in less than 3 s A No  13. Recovery from a developed full stall A  Dive forward angle on exit Collapse No collapse No collapse No collapse No collapse No collapse A No  Rocking back Less than 45° A Less than 45° A Less than 45° A Less than 45° A Change or course until re-inflation / Maximum dive forward or or lot 10 angle Collapse or the opposite side occurs  No No  Collapse on the opposite side occurs  No  Collapse or course Change of course Cuntal change of course Ch		not available	0	not available	0
Deep stall cheved Pres Recovery Spontaneous in less than 3 s A Dive forward 0" to 30" A Dive forward 0" to 50" Dive 0" Div	Folding lines used		0	Not available	0
Deep stall achieved	J.				-
Recovery Dive forward angle on exit Dive forward 0° to 30° A Dive forwa			Α	Yes	Α
Dive forward angle on exit Changing course Changing course less than 45° A Change of course Changing course less than 45° A Change of course Changing course less than 45° A Change of course Cascade occurs No A No					
Change of course  Cascade occurs  No  No  A  No  Recovery  A  Recovery  A  Recovery from a developed full stall  Dive forward one to collapse  No  Cascade occurs (other than collapses)  A  Rocking back Line tension  A  Change of course with ire-inflation / Maximum dive forward or roll angle of course on the opposite side occurs  No  No  Collapse (No  Collapse (Or only a small number of collapse of course until re-inflation / Maximum dive forward or roll angle of course until re-inflation / Maximum dive forward or roll angle of course until re-inflation / Maximum dive forward or roll angle of course until re-inflation / Maximum dive forward or roll angle of collapse until re-inflation / Maximum dive forward or collapse delis with a spontaneous re-inflation  Twist occurs  Change of course until re-inflation / Maximum dive forward or roll angle of collapse delis with a spontaneous re-inflation  Twist occurs  No  Cascade occurs  Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45°  Re-inflation behaviour  Twist occurs  Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45°  Re-inflation behaviour  Twist occurs  Change of course  Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45°  Re-inflation behaviour  Twist occurs  Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45°  Re-inflation behaviour  Twist occurs  Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45°  Re-inflation behaviour  Twist occurs  No  Collapsed cells with a spontaneous re-inflation  A					
Cascade occurs	The state of the s				
Recovery Spontaneous in less than 3 s A No calcage and a spontaneous in less than 3 s A No no A					
Recovery Cascade occurs No No A				NO	
A Recovery from a developed full stall A  13. Recovery from a developed full stall A  Dive forward 0" to 30" A Dive forward 0" to 30" A Dive forward 0" to 30" A Dive forward 0" to 30" A No collapse A  Cascade occurs (other than collapses) No collapse A No collapse A  Rocking back Less than 45" A Less			۸	Spontaneous in loss than 2 s	٨
13. Recovery from a developed full stall   Dive forward 0° to 30°   A   Dive forward 0° to 30°   A   Collapse   No collapse   A   Rocking back   Less than 45°   A   No	,	•		•	
Dive forward angle on exit  Collapse  No collapse  No collapse  No collapse  A Rocking back  Less than 45°  A No collapse  Change of course until re-inflation / Maximum dive forward or roll angle of tool 15°  Re-inflation behaviour  Twist occurs  No  Cascade occurs  No  Cascade occurs  No  Cascade occurs  Change of course until re-inflation / Maximum dive forward or roll angle of course occurs  Change of course until re-inflation / Maximum dive forward or roll angle occurs  Collapse on the opposite side occurs  Change of course until re-inflation / Maximum dive forward or roll angle occurs  Twist occurs  Change of course  Change of course  Change of course  Collapse occurs  No  No  A Less than 90° / Dive or roll angle occurs occurs  Collapse on the opposite side occurs  Collapse on the opposite side occurs  Collapse on the opposite side occurs  No  Collap			А	NO	А
Collapse Occurs (other than collapses) No collapse No collapse No A No collapse A Rocking back Less than 45° A Less			^	Diver for average 00 to 000	
Cascade occurs (other than collapses)   No					
Rocking back   Less than 45°   A   Less than					
Line tension   Most lines tight   A   Most lines tight   A					
A         Small asymmetric collapse       A         Change of course until re-inflation / Maximum dive forward or roll angle or loangle or			Α		
Small asymmetric collapse         Change of course until re-inflation / Maximum dive forward or roll angle langle       Less than 90° / Dive or roll angle 0° to 15° to 45°       A Less than 90° / Dive or roll angle 15° to 45° to 45°       A Less than 90° / Dive or roll angle 15° to 45°       A Less than 90° / Dive or roll angle 15° to 45°       A Less than 90° / Dive or roll angle 15° to 45°       A Less than 360°       A No (or only a small number of collapsed cells with a spontaneous re-inflation)       A No (or only a small number of collapsed cells with a spontaneous re-inflation)       A No       A No <t< td=""><td></td><td></td><td>Α</td><td>Most lines tight</td><td>Α</td></t<>			Α	Most lines tight	Α
Change of course until re-inflation / Maximum dive forward or roll angle no "to 15" to	•	A			
roll angle Re-inflation behaviour Spontaneous re-inflation A Less than 360° A Less than 360° A Less than 360° A Less than 360° A No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs No A	•				
Total change of course  Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous reinflation)  Twist occurs  No Cascade occurs  No No No A No A No Cascade occurs  No No A			Α		Α
Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous reinflation)  Twist occurs  No Cascade occurs  No No A	Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Twist occurs No No No A No No A No No A No A No A N	Total change of course	Less than 360°	Α	Less than 360°	Α
Cascade occurs  Folding lines used  Large asymmetric collapse  Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour  Total change of course  Collapse on the opposite side occurs  Twist occurs  Cascade occurs  No No Cascade occurs  No	Collapse on the opposite side occurs	collapsed cells with a spontaneous	Α	collapsed cells with a spontaneous	Α
Folding lines used Large asymmetric collapse Charge of course until re-inflation / Maximum dive forward or roll angle angle of course until re-inflation / Maximum dive forward or roll angle an	Twist occurs	No	Α	No	Α
Large asymmetric collapseChange of course until re-inflation / Maximum dive forward or roll angleLess than 90° / Dive or roll angle 15° to 45°A Less than 90° / Dive or roll angle 15° to 45°A Less than 90° / Dive or roll angle 15° to 45°A Less than 90° / Dive or roll angle 15° to 45°Re-inflation behaviourSpontaneous re-inflationA Spontaneous re-inflationA Less than 360°A Less than 360°A Less than 360°A No (or only a small number of collapsed cells with a spontaneous reinflation)A No (or only a small number of collapsed cells with a spontaneous reinflation)A NoA NoA NoTwist occursNoA NoA NoA NoA NoA NoCascade occursNoA NoA NoA NoA Small asymmetric collapse with fully activated acceleratorA NoA NoA NoA NoChange of course until re-inflation / Maximum dive forward or roll anglenot available0 not available0 not available0	Cascade occurs	No	Α	No	Α
Change of course until re-inflation / Maximum dive forward or roll angle roll angle angle roll angle 15° to 45°  Re-inflation behaviour Spontaneous re-inflation A Spontaneous re-inflation A Spontaneous re-inflation A Less than 360°  Collapse on the opposite side occurs No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs No A No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs No A No (or only a small number of collapsed cells with a spontaneous re-inflation)  Total change of course No A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)  A No (or only a small number of collapsed cells with a spontaneous re-inflation)	Folding lines used	No	Α	No	Α
roll angle 15° to 45° 15° to 45°  Re-inflation behaviour Spontaneous re-inflation A Spontaneous re-inflation A Total change of course Less than 360° A Less than 360° A Collapse on the opposite side occurs No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs No A No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs No A No	Large asymmetric collapse				
Total change of course  Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous reinflation)  Twist occurs  No  No  A  No  A  No  Cascade occurs  No  No  A  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle	• .		Α		Α
Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous reinflation)  Twist occurs  No  No  A  No  A  No  A  No  A  No  A  Cascade occurs  No  No  No  A  No  A  No  A  No  A  No  A  Cascade occurs  No  No  A  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  No  No  No  No  No  No  No  No  No  N	Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	Α
Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous reinflation)  Twist occurs  No  No  A  No  A  No  Cascade occurs  No  No  No  A  Cascade occurs  No  No  A  No  A  No  A  No  A  No  A  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  No  No  No  No  No  No  No  No  No  N	Total change of course	Less than 360°	Α	Less than 360°	Α
Cascade occurs  No A No A No A No A No A Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  No A No	-	collapsed cells with a spontaneous	Α	collapsed cells with a spontaneous	Α
Folding lines used No A No A  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle not available 0 not available 0	Twist occurs	No	Α	No	Α
Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  0 not available 0 not available	Cascade occurs	No	Α	No	Α
Change of course until re-inflation / Maximum dive forward or not available 0 not available 0 roll angle	Folding lines used	No	Α	No	Α
roll angle	Small asymmetric collapse with fully activated accelerator				
·		not available	0	not available	0
	-	not available	0	not available	0

Total change of course	not available	0	not available	0
Collapse on the opposite side occurs	not available	0	not available	0
Twist occurs	not available	0	not available	0
Cascade occurs	not available	0	not available	0
Folding lines used	Not available	0	Not available	0
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	not available	0	not available	0
Re-inflation behaviour	not available	0	not available	0
Total change of course	not available	0	not available	0
Collapse on the opposite side occurs	not available	0	not available	0
Twist occurs	not available	0	not available	0
Cascade occurs	not available	0	not available	0
Folding lines used	Not available	0	Not available	0
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	В			
Spin rotation angle after release	Stops spinning in 90° to 180°	В	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	not available	0
Behaviour before release	Remains stable with straight span	Α	not available	0
Recovery	Spontaneous in less than 3 s	Α	not available	0
Dive forward angle on exit	Dive forward 0° to 30°	Α	not available	0
Cascade occurs	No	Α	not available	0
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	0		Dive lorward o to 30	
Entry procedure	not available	0	not available	0
Behaviour during big ears	not available	0	not available	0
Recovery	not available	0	not available	0
Dive forward angle on exit	not available	0	not available	0
	not available	0	not available	0
Behaviour immediately after releasing the accelerator while maintaining big ears		U	not available	U
22. Alternative means of directional control	A Voc	^	Voo	^
180° turn achievable in 20 s	Yes	A	Yes	A
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
04 0				

24. Comments of test pilot

Spiral can not be entered with closed trimmers