## AIR TURQUOISE SA | PARA-TEST.COM

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



## Flight test report: EN 926-2:2013 & LTF 91/09

Manufacturer	Triple Seven paragliders		F	PG_1783.2021		
Address	Ulica Ane Ziherlove 10 1000 Ljubljana Slovenia	Flight test		9.03.2021		
Glider model	King 2 S	Classification				
Serial number	KI2-S-R-0095	Representative None				
Trimmer no		Place of test				
		Place of test	Villeneuve			
Folding lines used	yes					
Test pilot Harness Harness to risers distance (cm)		Philippe Dupont Claude Thurnheer				
		Supair - Altiplume S	Advance - Success 4 M 44			
		44				
	• •	40		44		
Distance between risers (cm)  Total weight in flight (kg)		70	85			
Total weight in high	iit (kg)	70	C			
1. Inflation/Take-off		D Hanna haak		Hanna haali	_	
Rising behaviour		Hangs back	D	Hangs back	D	
Special take off technique	e required	No	Α	No	Α	
2. Landing		A		Ma		
Special landing technique	·	No	Α	No	Α	
3. Speed in straight flight		B	^	Van	^	
Trim speed more than 30 km/h		Yes	A	Yes	A	
Speed range using the controls larger than 10 km/h		Yes 25 km/h to 30 km/h	A	Yes 25 km/h to 30 km/h	A	
Minimum speed		C	В	25 KIII/II (0 30 KIII/II	В	
4. Control movement	to 90 kg	C				
Max. weight in flight up to 80 kg		Increasing / 40 cm to EE cm	С	not available	0	
Symmetric control pressure / travel		Increasing / 40 cm to 55 cm	C	not available	U	
Max. weight in flight 80 kg to 100 kg		not available	0	Approximately constant / 45 cm to	С	
Symmetric control pressure / travel		not available	U	60 cm	C	
Max. weight in flight gre	=		•		•	
Symmetric control pressu		not available	0	not available	0	
5. Pitch stability exiting		A		D: 6 11 # 000		
Dive forward angle on exi	ıt	Dive forward less than 30°	A	Dive forward less than 30°	A	
Collapse occurs		No	А	No	Α	
flight	ng controls during accelerated	Α				
Collapse occurs		No	Α	No	Α	
7. Roll stability and dam	nping	Α				
Oscillations		Reducing	Α	Reducing	Α	
8. Stability in gentle spi		A				
Tendency to return to stra	aight flight	Spontaneous exit	Α	Spontaneous exit	Α	
_	ully developed spiral dive	D				
Initial response of glider (	•	No immediate reaction	В	Immediate increase in rate of turn	С	
Tendency to return to stra	aight flight	Turn remains constant (g force constant, rate of turn constant)	D	Turn remains constant (g force constant, rate of turn constant)	D	
Turn angle to recover nor	mal flight	With pilot action	D	With pilot action	D	
10. Symmetric front col	lapse	D				
Approximately 30 % cho	ord					
Entry		Rocking back less than 45°	Α	Rocking back less than 45°	Α	

Recovery	Recovery through pilot action in less than a further 3 s	D	Recovery through pilot action in less than a further 3 s	D
Dive forward angle on exit Change of course	Dive forward 0° to 30° Entering a turn of less than 90°	Α	Dive forward 0° to 30° Entering a turn of 90° to 180°	С
Cascade occurs	No	Α	No	Α
Folding lines used	Yes		Yes	
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Recovery through pilot action in less than a further 3 s	D	Recovery through pilot action in less than a further 3 s	D
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Entering a turn of less than 90°	Α	Dive forward 0° to 30° / Entering a turn of 90° to 180°	С
Cascade occurs	No	Α	No	Α
Folding lines used	Yes		Yes	
With accelerator				
Entry	Rocking back greater than 45°	С	Rocking back greater than 45°	С
Recovery	Recovery through pilot action in less than a further 3 s	D	Recovery through pilot action in less than a further 3 s	D
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Entering a turn of less than 90°	Α	Dive forward 0° to 30° / Entering a turn of 90° to 180°	С
Cascade occurs	No	Α	No	Α
Folding lines used	Yes		Yes	
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	D			
Recovery	Spontaneous in less than 3 s	Α	Recovery through pilot action in	D
,			less than a further 3 s	
Cascade occurs	No	Α		Α
·	No C	Α		Α
Cascade occurs		A		A
Cascade occurs  13. Recovery from a developed full stall  Dive forward angle on exit  Collapse	C Dive forward 0° to 30° No collapse	A A	No Dive forward 0° to 30° No collapse	A A
Cascade occurs  13. Recovery from a developed full stall  Dive forward angle on exit  Collapse  Cascade occurs (other than collapses)	<b>C</b> Dive forward 0° to 30° No collapse No	A A A	No  Dive forward 0° to 30°  No collapse  No	A A A
Cascade occurs  13. Recovery from a developed full stall  Dive forward angle on exit  Collapse  Cascade occurs (other than collapses)  Rocking back	C Dive forward 0° to 30° No collapse No Greater than 45°	A A A C	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°	A A A C
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight	A A A	No  Dive forward 0° to 30°  No collapse  No	A A A
Cascade occurs  13. Recovery from a developed full stall  Dive forward angle on exit  Collapse  Cascade occurs (other than collapses)  Rocking back  Line tension  14. Asymmetric collapse	C Dive forward 0° to 30° No collapse No Greater than 45°	A A A C	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°	A A A C
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small asymmetric collapse	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D	A A C A	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°  Most lines tight	A A C A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D Less than 90° / Dive or roll angle 0° to 15°	A A C A	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°  Most lines tight  Less than 90° / Dive or roll angle 15° to 45°	A A C A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action	A A A C A	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°  Most lines tight  Less than 90° / Dive or roll angle 15° to 45°  Inflates in less than 3 s from start of pilot action	A A C A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour  Total change of course	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360°	A A A C A A C A	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°  Most lines tight  Less than 90° / Dive or roll angle 15° to 45°  Inflates in less than 3 s from start of pilot action  Less than 360°	A A C A C
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action	A A A C A	No  Dive forward 0° to 30°  No collapse  No  Greater than 45°  Most lines tight  Less than 90° / Dive or roll angle 15° to 45°  Inflates in less than 3 s from start of pilot action	A A C A
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Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation)	A A C A C A	Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation)	A A C A A C A A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No	A A C A A A A	No Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No	A A A C A A A A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No	A A C A A A A	No Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No	A A A C A A A A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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 Folding lines used	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No	A A C A A A A	No Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No	A A A C A A A A
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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 Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes	A A C A A A A	Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes  90° to 180° / Dive or roll angle	A A A C A A A A B
Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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 Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes  90° to 180° / Dive or roll angle 15° to 45° Inflates in 3 s to 5 s from start of	A A C A C A A A B	Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes  90° to 180° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of	A A A C A A A A B
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Cascade occurs  13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back Line tension  14. Asymmetric collapse Small 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 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 until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour	C Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight D  Less than 90° / Dive or roll angle 0° to 15° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes  90° to 180° / Dive or roll angle 15° to 45° Inflates in 3 s to 5 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous	A A A A A A A A A A A A A A A A A A A	Dive forward 0° to 30° No collapse No Greater than 45° Most lines tight  Less than 90° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No Yes  90° to 180° / Dive or roll angle 15° to 45° Inflates in less than 3 s from start of pilot action Less than 360° No (or only a small number of collapsed cells with a spontaneous	A A A A A A A A A A A A A A A A A A A

Calding lines wood	Van		Vaa	
Folding lines used	Yes		Yes	
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	Inflates in less than 3 s from start of pilot action	С	Inflates in less than 3 s from start of pilot action	С
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)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	Yes		Yes	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 45° to 60°	С	90° to 180° / Dive or roll angle 15° to 45°	В
Re-inflation behaviour	Inflates in 3 s to 5 s from start of pilot action	D	Inflates in less than 3 s from start of pilot action	С
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	Yes		Yes	
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	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	D	_		_
Spin rotation angle after release	Stops spinning in 90° to 180°	В	Stops spinning in 180° to 360°	D
Cascade occurs  19. B-line stall	No <b>0</b>	Α	No	Α
Change of course before release	not available	0	not available	0
Behaviour before release	not available	0	not available	0
Recovery	not available	0	not available	0
Dive forward angle on exit	not available	0	not available	0
Cascade occurs	not available	0	not available	0
20. Big ears	В			
Entry procedure	Standard technique	Α	Standard technique	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Recovery through pilot action in less than a further 3 s	В	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	В			
Entry procedure	Dedicated controls	Α	Standard technique	Α
Behaviour during big ears	Stable flight	A	Stable flight	Α
Recovery	Recovery through pilot action in less than a further 3 s	В	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	Α			
180° turn achievable in 20 s	Yes	Α	Yes	Α
Stall or spin occurs	No	,,	No	$\overline{}$

23. Any other flight procedure and/or configuration 0 described in the user's manual					
	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