## 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+A1:2021\* & NfL 2-565-20

Manufacturer Skywalk GmbH & Co. KG		Certification number	F	PG_1989.2022								
Address	Windeckstr. 4 83250 Marquartstein Germany	Flight test	1	8.02.2021								
Glider model	X-Alps 5 95+	Classification	D	)								
Serial number	XA13 S	Representative	Ν	lone								
Trimmer	no	Place of test		/illeneuve								
Folding lines used	yes	ridde or test	v	meneave								
. craing into acca	, 55											
Test pilot		Claude Thurnheer	Δ	lain Zoller								
Harness		Supair - Altiplume M	Α	dvance - Success 4 L								
Harness to risers distance (cm) Distance between risers (cm) Total weight in flight (kg)		44 44 75		44 44 95								
								(-3)				
							1. Inflation/Take-off		С			
Rising behaviour		Overshoots, shall be slowed down to avoid a front collapse	С	Overshoots, shall be slowed down to avoid a front collapse	(							
Special take off technique	required	No	Α	No	1							
2. Landing		Α										
Special landing technique	•	No	Α	No	,							
3. Speed in straight fligh		<b>B</b>										
Trim speed more than 30		Yes	A	Yes	1							
	ontrols larger than 10 km/h	Yes	Α_	Yes	/							
Minimum speed		25 km/h to 30 km/h	В	25 km/h to 30 km/h	E							
4. Control movement	4 - 00 law	A										
Max. weight in flight up	<del>-</del>		^		,							
Symmetric control pressu		Increasing / greater than 55 cm	Α	not available	(							
Max. weight in flight 80	-	not available	0	Increasing / greater than 60 cm								
Symmetric control pressu Max. weight in flight gre		not available	0	increasing / greater than 60 cm	,							
Symmetric control pressu	=	not available	0	not available	(							
5. Pitch stability exiting		A	U	not available	ď							
Dive forward angle on exi		Dive forward less than 30°	Α	Dive forward less than 30°	,							
Collapse occurs	•	No No	Α	No	,							
•	ng controls during accelerated	A										
Collapse occurs		No	Α	No	A							
7. Roll stability and dam	ping	Α										
Oscillations		Reducing	Α	Reducing	,							
8. Stability in gentle spir	rals	A										
Tendency to return to stra	ight flight	Spontaneous exit	Α	Spontaneous exit	/							
9. Behaviour exiting a fu	ılly developed spiral dive	С										
Initial response of glider (	first 180°)	No immediate reaction	В	Immediate reduction of rate of turn	1							
Tendency to return to stra	ight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	Α	Spontaneous exit (g force decreasing, rate of turn decreasing)	,							
Turn angle to recover nor	mal flight	1080° to 1440°, spontaneous recovery	С	Less than 720°, spontaneous recovery	1							
10. Symmetric front coll	apse	D										
10. Symmetric front coll Approximately 30 % cho	•	D										

Develor forward angle on exit Change of course	Recovery	Spontaneous in 3 s to 5 s	В	Spontaneous in less than 3 s	Α
No course   A	•	·		•	
Footing   Ines used   Yes   Test	Dive forward angle on exit offange of course	, 0			
A teast 50% chord   Entry	Cascade occurs	No	Α	No	Α
Recovery	Folding lines used	Yes	D	Yes	D
Recovery   Spontaneous in 3 s to 5 s   B   Spontaneous in less than 3 s   A   Dive forward angle on exit / Change of course   No	At least 50% chord				
Dive forward angle on exit / Change of course	Entry	Rocking back less than 45°	Α	Rocking back greater than 45°	С
Conseade occurs	Recovery	Spontaneous in 3 s to 5 s	В	Spontaneous in less than 3 s	Α
Folding lines used   Yes	Dive forward angle on exit / Change of course	, 0	Α		В
Mith accelerator   Entry	Cascade occurs	No	Α	No	Α
Entry   Rectivery   Rocking back greater than 45°   C Rocking back greater than 45°   C Rectivery   Spontianeous in 3 s to 5 s   Spontianeous in less than 3 s   A Rocking back greater than 45°   Rectivery   Spontianeous in 3 s to 5 s   Spontianeous in less than 3 s   A Rocking back greater than 45°   Reprint of the 4 store   Rectivery   Spontianeous in less than 3 s   A Rocking back greater than 45°   Reprint of the 4 store   Rectivery   Rectivery   Spontianeous in less than 3 s   A Rocking back greater than 45°   Rectivery   Rectivery   Spontianeous in less than 3 s   A Rocking back greater than 45°   Rectivery   Rectire   Rectivery   Rectire   Rectire   Rectivery   Rectire   Rect	Folding lines used	Yes	D	Yes	D
Recovery   Spontaneous in 3 s to 5 s   B   Spontaneous in less than 3 s   A   Dive forward angle on exit / Change of course   Recovery   Spontaneous in 3 s to 5 s   B   Dive forward 30" to 60" / 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   Changing course less than 45"   A   Changing course less tha	With accelerator				
Dive forward angle on exit / Change of course	Entry	Rocking back greater than 45°	С	Rocking back greater than 45°	С
Cascade occurs	Recovery	Spontaneous in 3 s to 5 s	В	•	Α
Folding lines used 11 prachutal stall) A 11. Exithing deep stall (parachutal stall) Yes	Dive forward angle on exit / Change of course		В		В
Deep stall canheved	Cascade occurs	No			
Deep stall achieved   Yes   Spontaneous in less than 3 s   A   Recovery   Spontaneous in less than 3 s   A   Dive forward or to 30°   A   Dive forward or to 30°   A   Changing course less than 45°   A   Cascade occurs   A   No   A   No   No   A   No   No	J		D	Yes	D
Recovery Dive forward angle on exit Dive forward or 'to 30" A Dive forward 0" to 40" A No collapse of 000" A Dive forward 0" to 40" A Dive forward		A			
Dive forward angle on exit   Dive forward 0" to 30"   A Change of course   Changing course less than 45"   A Changing course less than 45"	Deep stall achieved	Yes	Α		Α
Changing course   Changing course less than 45"   A   Changing course less than 45"   A   Cascade occurs   No   A   No   No   A	Recovery		Α	•	Α
Cascade occurs	Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	Α
12. High angle of attack recovery	Change of course	Changing course less than 45°	Α	Changing course less than 45°	Α
Recovery Cascade occurs No No A No No A No No A No A No A No A	Cascade occurs	No	Α	No	Α
Cascade occurs   No   No   No   No   No   No   No   N	12. High angle of attack recovery	A			
Dive forward angle on exit   Dive forward 60° to 90°   C   Dive forward 60° to 90°   C   C   Dive forward 60° to 90°   C   C   C   Dive forward 60° to 90°   C   C   C   Dive forward 60° to 90°   C   C   C   C   C   C   C   C   C	Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit  Collapse  No collapse  No collapse  No collapse  No collapse  A No collapse  CLine tension  Most lines tight  A Greater than 45°  A Greater than 45°  A Most lines tight  A Less than 90° / Dive or roll angle 15° to 45°  Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45°  Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs  No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs  No No  A No  Cascade occurs  No  Change of course until re-inflation / Maximum dive forward or roll angle afs' to 60°  Re-inflation behaviour  Total change of course  Change of course until re-inflation / Maximum dive forward or roll angle 45° to 60°  Re-inflation behaviour  Total change of course  Collapse on the opposite side occurs  No  No  A No  A No  A Spontaneous re-inflation  A No  Cascade occurs  No  No  A No  Cascade occurs  No  A No  A No  A No  A No  A No  A No  Cascade occurs  No  Collapse or line inflation / Maximum dive forward or roll angle re-inflation  A No  A N			Α	No	Α
Collapse No collapse A No collapse A No collapse A Cascade occurs (other than collapses) No A Cascade occurs (other than collapses) Most lines tight A Spontaneous re-inflation behaviour					
Cascade occurs (other than collapses)   No   Less than 45°   A   Greater than 45°   C   C   Line tension   Most lines tight   A   Most			С		С
Rocking back   Less than 45°   A   Greater than 45°   A		No collapse	Α	No collapse	Α
Line tension   Most lines tight   A   Most lines tight   A   14. Asymmetric collapse   D   Small asymmetric collapse   Change of course until re-inflation / Maximum dive forward or roll angle of course until re-inflation / Maximum dive forward or roll angle of course   Less than 90° / Dive or roll angle of 5° to 45° of 5° to 4			Α		
Small asymmetric collapse   Change of course until re-inflation / Maximum dive forward or roll angle of course until re-inflation / Maximum dive forward or roll angle of course   Less than 90° / Dive or roll angle of course   Spontaneous re-inflation   A Spontaneous re-infla	Rocking back		Α		
Small asymmetric collapse         Less than 90° / Dive 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         Less than 90° / Dive or roll angle of to 45° of 45° of 45° of 45°         A Less than 90° / Dive or roll angle of 15° to 45° of 45° of 45°         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 Spontaneous re-inflation         A		•	Α	Most lines tight	Α
Change of course until re-inflation / Maximum dive forward or roll angle 15° to 45° 25° 250 to 45° 35° to 45° 50° to 180° 101 angle 15° to 45° 50° to 45° 101 angle 15° to 45° 50° to 45° 5	•	D			
roll angle Re-inflation behaviour Roll angle of course Less than 360° Roll angle of course Less than 360° Roll apse on the opposite side occurs Roll apse of course until re-inflation / Maximum dive forward or roll angle Re-inflation behaviour Roll angle Roll course Roll apse of course appears of the poposite side occurs Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course until re-inflation / Maximum dive forward or roll angle Roll apse of course apset of	·				
Total change of course  Less than 360°  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 No A No Cascade occurs  No No A No A No No A No A R Redinglines used  Ves D No Cange asymmetric collapse  Change of course until re-inflation / Maximum dive forward or roll angle collapsed occurs  Re-inflation behaviour  Total change of course  Collapse on the opposite side occurs  No	roll angle	15° to 45°		15° to 45°	
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		•		·	
Twist occurs No No A No A No A No A Politing lines used cocurs No	-	Less than 360°	Α		Α
Cascade occurs  Folding lines used  Yes  Yes  D  Yes  Charge asymmetric collapse  Change of course until re-inflation / Maximum dive forward or roll angle angle  Re-inflation behaviour  Fold lange of course  Collapse on the opposite side occurs  Twist occurs  No (or only a small number of collapsed cells with a spontaneous re-inflation)  Twist occurs  No  No  No  No  No  No  No  No  No  N	Collapse on the opposite side occurs	collapsed cells with a spontaneous	Α	collapsed cells with a spontaneous	Α
Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle angle for angle of course until re-inflation / Maximum dive forward or roll angle angle angle angle folding for angle angl					
Large asymmetric collapse         Change of course until re-inflation / Maximum dive forward or roll angle roll angle       90° to 180° / Dive or roll angle 45° to 60°       C       90° to 180° / Dive or roll angle 60° to 90°       D         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 reinflation)       A       Yes, no turn reversal       C         Twist occurs       No       A       No       A       No       A         Cascade occurs       No       A       No       A       No       A         Folding lines used       Yes       D       Yes       D         Small asymmetric collapse with fully activated accelerator       Less than 90° / Dive or roll angle 15° to 45°       A       Less than 90° / Dive or roll angle 15° to 45°       A					
Change of course until re-inflation / Maximum dive forward or roll angle roll	-	Yes	D	Yes	D
roll angle 45° to 60° 60° to 90°  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			_		_
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  No  A  No  A  No  A  No  A  Cascade occurs  No  No  No  A  No  A  No  A  Folding lines used  Yes  D  Yes  D  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  15° to 45°  Total change of course until re-inflation / Maximum dive forward or roll angle  15° to 45°  A  Less than 360°  A  Yes, no turn reversal  C  Yes, no turn reversal  D  Yes  A  No  A  No  A  No  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  15° to 45°	roll angle	45° to 60°		60° to 90°	
Collapse on the opposite side occurs  No (or only a small number of collapsed cells with a spontaneous reinflation)  Twist occurs  No  No  No  A  No  A  No  A  No  A  Cascade occurs  No  No  Yes  D  Yes  D  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  No  Less than 90° / Dive or roll angle  15° to 45°  A  Less than 90° / Dive or roll angle  15° to 45°		•		·	
Collapsed cells with a spontaneous reinflation)  Twist occurs  No  No  A  No  A  No  A  No  A  No  A  Folding lines used  Yes  D  Yes  D  Small asymmetric collapse with fully activated accelerator  Change of course until re-inflation / Maximum dive forward or roll angle  Toll angle  Collapsed cells with a spontaneous reinflation with a spontaneous reinflation)  A  No  A  No  A  No  A  Less than 90° / Dive or roll angle  15° to 45°  A  Less than 90° / Dive or roll angle 15° to 45°	·				
Cascade occurs  No Yes D Yes D Yes D Small asymmetric collapse with fully activated accelerator Change of course until re-inflation / Maximum dive forward or roll angle  Cascade occurs  Yes D Yes D Yes D Less than 90° / Dive or roll angle 15° to 45°  A Less than 90° / Dive or roll angle 15° to 45°	Collapse on the opposite side occurs	collapsed cells with a spontaneous	Α	Yes, no turn reversal	С
Folding lines used Yes D Yes D  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  A Less than 90° / Dive or roll angle 15° to 45°  A Less than 90° / Dive or roll angle 15° to 45°	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  Less than 90° / Dive or roll angle  A Less than 90° / Dive or roll angle A 15° to 45°	Cascade occurs	No	Α	No	Α
Change of course until re-inflation / Maximum dive forward or roll angle Less than 90° / Dive or roll angle A Less than 90° / Dive or roll angle A 15° to 45°	Folding lines used	Yes	D	Yes	D
roll angle 15° to 45° 15° to 45°					
Re-inflation behaviour Spontaneous re-inflation A Spontaneous re-inflation A			Α		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	Yes	D	Yes	D
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	Less than 90° / Dive or roll angle 45° to 60°	С
Re-inflation behaviour	Inflates in less than 3 s from start of pilot action	С	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	Yes	D	Yes	D
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	D			
Spin occurs	Yes	D	No	Α
18. Recovery from a developed spin	D			
Spin rotation angle after release	Stops spinning in 180° to 360°	D	Stops spinning in less than 90°	Α
Cascade occurs	No	Α	No	Α
19. B-line stall	0			
Change of course before release	not available	0	not available	0
	not available	0	not available	0
Behaviour before release	not available			
Behaviour before release Recovery	not available	0	not available	0
		0 0	not available not available	0
Recovery	not available			
Recovery Dive forward angle on exit	not available	0	not available	0
Recovery Dive forward angle on exit Cascade occurs	not available not available not available	0	not available	0
Recovery Dive forward angle on exit Cascade occurs 20. Big ears	not available not available not available A	0	not available not available	0
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure	not available not available not available A Standard technique	0 0	not available not available  Dedicated controls	0 0
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears	not available not available not available A Standard technique Stable flight	0 0 A A	not available not available  Dedicated controls Stable flight	0 0 A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s	0 0 A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s	0 0 A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	0 0 A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s	0 0 A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° B	0 0 A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°	0 0 A A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure	not available not available not available  A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  B Standard technique	0 0 A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s	0 0 A A A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° B Standard technique Stable flight	0 0 A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in	0 0 A A A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° B Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	0 0 A A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s	0 0 A A A A A B
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears 22. Alternative means of directional control	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° B Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight	0 0 A A A A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight	0 0 A A A A A B A A
Recovery Dive forward angle on exit Cascade occurs  20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit  21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit  21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery  Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears  22. Alternative means of directional control  180° turn achievable in 20 s	not available not available not available  A  Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  B  Standard technique Stable flight Spontaneous in less than 3 s  Dive forward 0° to 30°  Stable flight A Yes	0 0 A A A A A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight  Yes	0 0 A A A A B A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears  22. Alternative means of directional control 180° turn achievable in 20 s Stall or spin occurs	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° B Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes No	0 0 A A A A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight	0 0 A A A A A B A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery  Dive forward angle on exit Entry procedure Behaviour during big ears Recovery  Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears  22. Alternative means of directional control 180° turn achievable in 20 s Stall or spin occurs 23. Any other flight procedure and/or configuration described in the user's manual	not available not available not available A Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° B Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30° Stable flight A Yes No 0	0 0 A A A A A A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight  Yes No	0 0 A A A A B A A A
Recovery Dive forward angle on exit Cascade occurs 20. Big ears Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery  Dive forward angle on exit Behaviour during big ears Recovery  Dive forward angle on exit Behaviour immediately after releasing the accelerator while maintaining big ears  22. Alternative means of directional control 180° turn achievable in 20 s Stall or spin occurs  23. Any other flight procedure and/or configuration described in the user's manual Procedure works as described	not available not available not available  A  Standard technique Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  B  Standard technique Stable flight Spontaneous in less than 3 s  Dive forward 0° to 30° Stable flight A Yes No  0  not available	0 0 A A A A A A A A	not available not available  Dedicated controls Stable flight Spontaneous in less than 3 s Dive forward 0° to 30°  Dedicated controls Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight  Yes No  not available	0 0 A A A A B A A
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