



Sky Paragliders a.s. Mr. Nemec Martin Okružní 39 73911 Frýdlant nad Ostravicí Czech Republic

Certificate EN

Air Turquoise SA, having thoroughly assessed in flight and structure the sample of paragliders mentioned hereunder, certifies its conformity with all requirements defined by the following norms: EN 926-2:2013 & EN 926-1:2006

Certification number	PG_0908.2014
Issue date	09. 04. 2015
Manufacturer	Sky Paragliders a.s.
Glider model	Fides 5 S
Category	
Maximum weight in flight (kg)	
Minimum weight in flight (kg)	
Glider's weight (kg)	
Gilder S weight (kg)	•

Flight tests	10. 12. 2014
Sorial number	1961-11-1391







Class: A

In accordance with EN standards 926-2:2013 & 926-1:2006:

Date of issue (DMY):

PG_0908.2014 09. 04. 2015

Manufacturer: Sky Paragliders a.s.

Model: Fides 5 S

Serial number:

Paraglider		Accessories	
Maximum weight in flight (kg)	82	Range of speed system (cm)	15
Minimum weight in flight (kg)	59	Speed range using brakes (km/h)	14
Glider's weight (kg)	4.2	Range of trimmers (cm)	0
Number of risers	4	Total speed range with accessories (km/h)	22
Projected area (m2)	20.68		
Harness used for testing (max weight)		Inspections (whichever happens first)	
Harness type	ABS	evey 12 months or every 100 flying hours	
Harness brand	Niviuk	Warning! Before use refer to user's manual	
Harness model	Hamak M	Person or company having presented the glider for testing: None	
Harness to risers distance (cm)	44		
Distance between risers (cm)	44		







Flight test report: EN 926-2:2013

Manufacturer	Sky Paragliders a.s.	Certification number	PG_0908.2014
Address	Okružní 39 73911 Frýdlant nad	Date of flight test	10. 12. 2014

Ostravicí Czech Republic

Glider model	Fides 5 S	Classification	Α
Serial number	1961-11-1391	Representative	None
Trimmer	no	Place of test	Villeneuve
Test pilot		Fukuoka Seiko	Thurnheer Claude
Harness		Supair - Altiplume S	Niviuk - Hamak M
Harness to risers d	istance (cm)	41	44
Distance between r	isers (cm)	40	44
Total weight in fligh	nt (kg)	59	82

Total weight in flight (kg)	59		82	
1. Inflation/Take-off	A			
Rising behaviour	Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α
Special take off technique required	No	Α	No	Α
2. Landing	Α			
Special landing technique required	No	Α	No	Α
3. Speed in straight flight	Α			
Trim speed more than 30 km/h	Yes	Α	Yes	Α
Speed range using the controls larger than 10 km/h	Yes	Α	Yes	Α
Minimum speed	Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement	Α			
Max. weight in flight up to 80 kg				
Symmetric control pressure / travel	Increasing / greater than 55 cm	Α	not available	0
Max. weight in flight 80 kg to 100 kg				
Symmetric control pressure / travel	not available	0	Increasing / greater than 60 cm	Α
Max. weight in flight greater than 100 kg				
Symmetric control pressure / travel	not available	0	not available	0
5. Pitch stability exiting accelerated flight	A			
Dive forward angle on exit	Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs	No	Α	No	Α
6. Pitch stability operating controls during accelerated flight	Α			
Collapse occurs	No	Α	No	Α
7. Roll stability and damping	A			
Oscillations	Reducing	Α	Reducing	Α
8. Stability in gentle spirals	A			
Tendency to return to straight flight	Spontaneous exit	Α	Spontaneous exit	Α
9. Behaviour exiting a fully developed spiral dive	A			
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 normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α

10. Cymmetric from Conapse				
Approximately 30 % chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
· ·				
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
With an along the				
With accelerator	B 1: 1 11 11 150		B 1: 1 11 11 15°	
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
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	A			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Cascade occurs	No	Α	No	Α
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
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			
Constitution and the second				
Small asymmetric collapse	Loop there 00° / Diverge well areals	۸	Lace then 00° / Divergentall angle 0°	^
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	Α.	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	spontaneous reinflation)		*	
	spontaneous reinflation) No	Α	No	Α
Cascade occurs	,	A A	No No	A A
	No			
Cascade occurs	No No	Α	No	Α
Cascade occurs	No No	Α	No	Α
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No No No Less than 90° / Dive or roll angle	A A	No No Less than 90° / Dive or roll angle	Α
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle	No No No Less than 90° / Dive or roll angle 15° to 45°	A A	No No Less than 90° / Dive or roll angle 15° to 45°	A A
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No No No Less than 90° / Dive or roll angle	A A	No No Less than 90° / Dive or roll angle	A

Collapse on the opposite side occurs	No (or only a small number of	Α	No (or only a small number of	Α
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
Twist occurs	No	Α	No	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
Small assummetric collapse with fully activated accolarator				
Small asymmetric collapse with fully activated accelerator Change of course until re-inflation / Maximum dive forward or	Loop than 00° / Divo or roll angle	۸	Loop than 00° / Divo or roll angle 0°	^
roll angle	0° to 15°	Α .	Less than 90° / Dive or roll angle 0° to 15°	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		Α	Less than 90° / Dive or roll angle	Α
roll angle	15° to 45°	, ,	15° to 45°	, ,
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
15. Directional control with a maintained asymmetric	Α			
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 speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	A			
Spin occurs	No	Α	No	Α
18. Recovery from a developed spin	Α			
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	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	A	,,		, ,
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	A
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	A
Dive forward angle on exit	Dive forward 0° to 30°	Α	Dive forward 0° to 30°	A
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	Spontaneous in less than 3 s Dive forward 0° to 30°	A A	Spontaneous in less than 3 s Dive forward 0° to 30°	A A

Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	Stable flight	Α
22. Alternative means of directional control	A			
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
Cascade occurs	not available	0	not available	0

24. Comments of test pilot





Sky Paragliders a.s.

Mr. Nemec Martin Okružní 39 73911 Frýdlant nad Ostravicí Czech Republic

Certificate EN

Air Turquoise SA, having thoroughly assessed in flight and structure the sample of paragliders mentioned hereunder, certifies its conformity with all requirements defined by the following norms: EN 926-2:2013 & EN 926-1:2006

Certification number	PG_0909.2014
Issue date	09. 04. 2015
Manufacturer	Sky Paragliders a.s.
Glider model	Fides 5 M
Category	. A
Maximum weight in flight (kg)	
Minimum weight in flight (kg)	. 73 kg
Glider's weight (kg)	

Flight tests	27. 11. 2014
Serial number	. 1961-11-1402







Class: A

In accordance with EN standards 926-2:2013 & 926-1:2006:

Date of issue (DMY):

PG_0909.2014

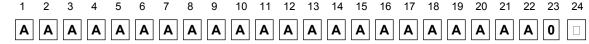
09. 04. 2015

Manufacturer: Sky Paragliders a.s.

Model: Fides 5 M

Serial number:

Paraglider		Accessories	
Maximum weight in flight (kg)	97	Range of speed system (cm)	15
Minimum weight in flight (kg)	73	Speed range using brakes (km/h)	14
Glider's weight (kg)	4.4	Range of trimmers (cm)	0
Number of risers	4	Total speed range with accessories (km/h)	22
Projected area (m2)	22.37		
Harness used for testing (max weight)		Inspections (whichever happens first)	
Harness type	ABS	evey 12 months or every 100 flying hours	
Harness brand	Gin Gliders	Warning! Before use refer to user's manual	
Harness model	Hamak M	Person or company having presented the glider for testing: None	
Harness to risers distance (cm)	43		
Distance between risers (cm)	44		







Flight test report: EN 926-2:2013

Manufacturer	Sky Paragliders a.s.	Certification number	PG_0909.2014
Address	Okružní 39 73911 Frýdlant nad	Date of flight test	27. 11. 2014

Ostravicí Czech Republic

Glider model	Fides 5 M	Classification	Α
Serial number	1961-11-1402	Representative	None
Trimmer	no	Place of test	Villeneuve
Test pilot		Dupont Philippe	Thurnheer Claude
Harness		Supair - Access M	Gin Gliders - Hamak M
Harness to risers	distance (cm)	41	43
Distance between	n risers (cm)	40	44
Total weight in fl	iaht (ka)	72	07

Total weight in flight (kg)	73		97	
1. Inflation/Take-off	Α			
Rising behaviour	Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α
Special take off technique required	No	Α	No	Α
2. Landing	Α			
Special landing technique required	No	Α	No	Α
3. Speed in straight flight	A			
Trim speed more than 30 km/h	Yes	Α	Yes	Α
Speed range using the controls larger than 10 km/h	Yes	Α	Yes	Α
Minimum speed	Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement	Α			
Max. weight in flight up to 80 kg				
Symmetric control pressure / travel	Increasing / greater than 55 cm	Α	not available	0
Max. weight in flight 80 kg to 100 kg				
Symmetric control pressure / travel	not available	0	Increasing / greater than 60 cm	Α
Max. weight in flight greater than 100 kg				
Symmetric control pressure / travel	not available	0	not available	0
5. Pitch stability exiting accelerated flight	A			
Dive forward angle on exit	Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs	No	Α	No	Α
6. Pitch stability operating controls during accelerated flight	Α			
Collapse occurs	No	Α	No	Α
7. Roll stability and damping	A			
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 fully developed spiral dive	A			
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 normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α

10. Cymmetric from Conapse				
Approximately 30 % chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
Ç				
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
With an along the				
With accelerator	B 1: 1 11 11 450		B 1: 1 11 11 15°	
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
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	A			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Cascade occurs	No	Α	No	Α
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
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			
Constitution and the contraction of the contraction				
Small asymmetric collapse	Loop there 00° / Diverge well areals	۸	Lace then 00° / Divergentall angle 0°	^
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	Α.	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	spontaneous reinflation)		*	
	spontaneous reinflation) No	Α	No	Α
Cascade occurs	,	A A	No No	A A
	No			
Cascade occurs	No No	Α	No	Α
Cascade occurs	No No	Α	No	Α
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No No No Less than 90° / Dive or roll angle	A A	No No Less than 90° / Dive or roll angle	Α
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle	No No No Less than 90° / Dive or roll angle 15° to 45°	A A	No No Less than 90° / Dive or roll angle 15° to 45°	A A
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No No No Less than 90° / Dive or roll angle	A A	No No Less than 90° / Dive or roll angle	A

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	A	No	A
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 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 with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or	Less than 90° / Dive or roll angle	Α	Less than 90° / Dive or roll angle 0°	Α
roll angle	15° to 45°	^	to 15°	^
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
15. Directional control with a maintained asymmetric	A			
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	Α	More than 50 % of the symmetric	Α
	symmetric control travel		control travel	
16. Trim speed spin tendency	A			
Spin occurs	No	Α	No	Α
17. Low speed spin tendency	A			
Spin occurs	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	Α	Remains stable with straight span	Α
Pocovony	span	٨	Spontaneous in loss than 2 s	۸
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
Cascade occurs	No	Α	No	Α
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	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
	,0.0	, ,		

Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	Α	Stable flight	Α
22. Alternative means of directional control	A			
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
Cascade occurs	not available	0	not available	0

24. Comments of test pilot







Sky Paragliders a.s. Mr. Nemec Martin Okružní 39 73911 Frýdlant nad Ostravicí Czech Republic

Certificate EN

Air Turquoise SA, having thoroughly assessed in flight and structure the sample of paragliders mentioned hereunder, certifies its conformity with all requirements defined by the following norms: EN 926-2:2013 & EN 926-1:2006

Certification number	G_0910.2014
Issue date	9. 04. 2015
Manufacturer	ky Paragliders a.s.
Glider model	des 5 L
Category	
Maximum weight in flight (kg)	
Minimum weight in flight (kg)	3 kg
Glider's weight (kg)	7 kg

Flight tests	 27. 11. 2014
Serial number	 1961-11-1389







Class: A

In accordance with EN standards 926-2:2013 & 926-1:2006:

Date of issue (DMY):

PG_0910.2014

09.04.2015

Manufacturer: Sky Paragliders a.s.

Fides 5 L Model:

Serial number:

Paraglider		Accessories	
Maximum weight in flight (kg)	112	Range of speed system (cm)	16
Minimum weight in flight (kg)	88	Speed range using brakes (km/h)	14
Glider's weight (kg)	4.7	Range of trimmers (cm)	0
Number of risers	4	Total speed range with accessories (km/h)	22
Projected area (m2)	24.08		
Harness used for testing (max weight)		Inspections (whichever happens first)	
Harness type	ABS	evey 12 months or every 100 flying hours	
Harness brand	Supair	Warning! Before use refer to user's manual	
Harness model	Access M	Person or company having presented the glider for testing: None	
Harness to risers distance (cm)	41		
Distance between risers (cm)	48		





Flight test report: EN 926-2:2013

Manufacturer Sky Paragliders a.s. Certification number PG_0910.2014
Address Okružní 39 Date of flight test 27. 11. 2014
73911 Frýdlant nad

Ostravicí Czech Republic

Glider model	Fides 5 L	Classification	Α
Serial number	1961-11-1389	Representative	None
Trimmer	no	Place of test	Villeneuve
Test pilot		Thurnheer Claude	Zoller Alain
Harness		Gin Gliders - Gingo 2 L	Supair - Access M
Harness to risers di	istance (cm)	43	41
Distance between r	isers (cm)	44	48
Total weight in fligh	it (kg)	88	112

Diotarios Both con Ticoro (ciri)	''		10	
Total weight in flight (kg)	88		112	
1. Inflation/Take-off	A			
Rising behaviour	Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α
Special take off technique required	No	Α	No	Α
2. Landing	Α			
Special landing technique required	No	Α	No	Α
3. Speed in straight flight	A			
Trim speed more than 30 km/h	Yes	Α	Yes	Α
Speed range using the controls larger than 10 km/h	Yes	Α	Yes	Α
Minimum speed	Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement	Α			
Max. weight in flight up to 80 kg				
Symmetric control pressure / travel	not available	0	not available	0
Max. weight in flight 80 kg to 100 kg				
Symmetric control pressure / travel	Increasing / greater than 60 cm	Α	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	A			
Dive forward angle on exit	Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs	No	Α	No	Α
6. Pitch stability operating controls during accelerated flight	Α			
Collapse occurs	No	Α	No	Α
7. Roll stability and damping	A			
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 fully developed spiral dive	A			
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 normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α

10. Cymmetric from Conapse				
Approximately 30 % chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
· ·				
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
With an along the				
With accelerator	B 1: 1 11 11 450		B 1: 1 11 11 15°	
Entry	Rocking back less than 45°	A	Rocking back less than 45°	A
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
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	A			
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Cascade occurs	No	Α	No	Α
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
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			
Constitution and the contraction of the contraction				
Small asymmetric collapse	Loop there 00° / Diverge well areals	۸	Lace then 00° / Divergentall angle 0°	^
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 0° to 15°	A	Less than 90° / Dive or roll angle 0° to 15°	A
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	A
Total change of course	Less than 360°	Α.	Less than 360°	A
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a	Α	No (or only a small number of collapsed cells with a spontaneous reinflation)	Α
Twist occurs	spontaneous reinflation)		*	
	spontaneous reinflation) No	Α	No	Α
Cascade occurs	,	A A	No No	A A
	No			
Cascade occurs	No No	Α	No	Α
Cascade occurs	No No	Α	No	Α
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No No No Less than 90° / Dive or roll angle	A A	No No Less than 90° / Dive or roll angle	Α
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or roll angle	No No No Less than 90° / Dive or roll angle 15° to 45°	A A	No No Less than 90° / Dive or roll angle 15° to 45°	A A
Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	No No No Less than 90° / Dive or roll angle	A A	No No Less than 90° / Dive or roll angle	A

Collapse on the opposite side occurs	No (or only a small number of	Α	No (or only a small number of	Α
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
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	Loop than 00° / Dive or roll angle	٨	Loop than 00° / Divo or roll angle 0°	۸
roll angle	0° to 15°	Α .	Less than 90° / Dive or roll angle 0° to 15°	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		Α	Less than 90° / Dive or roll angle	Α
roll angle	15° to 45°	, ,	15° to 45°	,,
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
15. Directional control with a maintained asymmetric	A			
collapse	Vas	٨	Van	^
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes More than 50 % of the	A	Yes	A
Amount of control range between turn and stall or spin	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	A			
Spin occurs	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	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	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	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	Α			
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
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				





Sky Paragliders a.s. Mr. Nemec Martin Okružní 39 73911 Frýdlant nad Ostravicí

Czech Republic

Certificate EN

Air Turquoise SA, having thoroughly assessed in flight and structure the sample of paragliders mentioned hereunder, certifies its conformity with all requirements defined by the following norms: EN 926-2:2013 & EN 926-1:2006

Certification number	
Issue date	
Manufacturer	Sky Paragliders a.s.
Glider model	Fides 5 XL
Category	A
Maximum weight in flight (kg)	130 kg
Minimum weight in flight (kg)	102 kg
Glider's weight (kg)	5.1 kg

Flight tests	
Serial number	1961-11-1392
	00 44 0044
Load test	22. 11. 2014
Serial number	. 1412







Class: A

In accordance with EN standards 926-2:2013 & 926-1:2006:

Date of issue (DMY):

PG_0911.2014

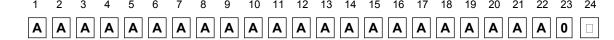
09. 04. 2015

Manufacturer: Sky Paragliders a.s.

Model: Fides 5 XL

Serial number:

Paraglider		Accessories	
Maximum weight in flight (kg)	130	Range of speed system (cm)	16
Minimum weight in flight (kg)	102	Speed range using brakes (km/h)	14
Glider's weight (kg)	5.1	Range of trimmers (cm)	0
Number of risers	4	Total speed range with accessories (km/h)	22
Projected area (m2)	26.05		
Harness used for testing (max weight)		Inspections (whichever happens first)	
Harness type	ABS	evey 12 months or every 100 flying hours	
Harness brand	Niviuk	Warning! Before use refer to user's manual	
Harness model	Hamak XL	Person or company having presented the glider for testing: None	
Harness to risers distance (cm)	43		
Distance between risers (cm)	48		







Flight test report: EN 926-2:2013

Manufacturer Sky Paragliders a.s. Certification number PG_0911.2014
Address Okružní 39 Date of flight test 15. 12. 2014

73911 Frýdlant nad Ostravicí Czech Republic

Glider model	Fides 5 XL	Classification	Α
Serial number	1961-11-1392	Representative	None
Trimmer	no	Place of test	Villeneuve
Test pilot		Zoller Alain	Berruex Gilles

Harness Supair - Access M Niviuk - Hamak XL
Harness to risers distance (cm) 41 43

Distance between risers (cm) 46 48

Distance between risers (cm) 46 48

Total weight in flight (kg) 102 130

Total weight in flight (kg)	102		130	
1. Inflation/Take-off	A			
Rising behaviour	Smooth, easy and constant rising	Α	Smooth, easy and constant rising	Α
Special take off technique required	No	Α	No	Α
2. Landing	A			
Special landing technique required	No	Α	No	Α
3. Speed in straight flight	A			
Trim speed more than 30 km/h	Yes	Α	Yes	Α
Speed range using the controls larger than 10 km/h	Yes	Α	Yes	Α
Minimum speed	Less than 25 km/h	Α	Less than 25 km/h	Α
4. Control movement	Α			
Max. weight in flight up to 80 kg				
Symmetric control pressure / travel	not available	0	not available	0
Max. weight in flight 80 kg to 100 kg				
Symmetric control pressure / travel	not available	0	not available	0
Max. weight in flight greater than 100 kg				
Symmetric control pressure / travel	Increasing / greater than 65 cm	Α	Increasing / greater than 65 cm	Α
5. Pitch stability exiting accelerated flight	A			
Dive forward angle on exit	Dive forward less than 30°	Α	Dive forward less than 30°	Α
Collapse occurs	No	Α	No	Α
6. Pitch stability operating controls during accelerated flight	Α			
Collapse occurs	No	Α	No	Α
7. Roll stability and damping	A			
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 fully developed spiral dive	A			
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 normal flight	Less than 720°, spontaneous recovery	Α	Less than 720°, spontaneous recovery	Α

10. Symmetric front collapse	A			
Approximately 30 % chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit Change of course	Dive forward 0° to 30° Keeping course	Α	Dive forward 0° to 30° Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
At least 50% chord				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
With accelerator				
Entry	Rocking back less than 45°	Α	Rocking back less than 45°	Α
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	Α
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	Α
Cascade occurs	No	Α	No	Α
Folding lines used	No	Α	No	Α
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
Change of Course	Changing Course less than 45	٠,	Changing Course less than 43	
Cascade occurs	No	Α	No	Α
Cascade occurs	No			
Cascade occurs 12. High angle of attack recovery	No A	A	No	Α
Cascade occurs 12. High angle of attack recovery Recovery	No A Spontaneous in less than 3 s	A A	No Spontaneous in less than 3 s	A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs	No A Spontaneous in less than 3 s No	A A	No Spontaneous in less than 3 s	A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall	No A Spontaneous in less than 3 s No A	A A A	No Spontaneous in less than 3 s No	A A A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit	No A Spontaneous in less than 3 s No A Dive forward 0° to 30°	A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30°	A A A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse	A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse	A A A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses)	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No	A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No	A A A A
Cascade occurs 12. High angle of attack recovery Recovery Cascade occurs 13. Recovery from a developed full stall Dive forward angle on exit Collapse Cascade occurs (other than collapses) Rocking back	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45°	A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45°	A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight	A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45°	A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A	A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight	A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight	A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45°	A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0°	A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0°	A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15°	A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15°	A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous	A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation)	A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation)	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous re-inflation) No No	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No No No Less than 90° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle 15° to 45°	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle 15° to 45°	A A A A A A A A A A A A A A A A A A A
Cascade occurs 12. High angle of attack recovery Recovery 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	No A Spontaneous in less than 3 s No A Dive forward 0° to 30° No collapse No Less than 45° Most lines tight A 90° to 180° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No Less than 90° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A	No Spontaneous in less than 3 s No Dive forward 0° to 30° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360° No (or only a small number of collapsed cells with a spontaneous reinflation) No No No No No Less than 90° / Dive or roll angle	A A A A A A A A A A A A A A A A A A A

Collapse on the opposite side occurs	No (or only a small number of	Α	No (or only a small number of	Α
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
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	Loop than 00° / Divo or roll angle	٨	Loop than 00° / Divo or roll angle 0°	۸
roll angle	0° to 15°	Α .	Less than 90° / Dive or roll angle 0° to 15°	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		Α	Less than 90° / Dive or roll angle	Α
roll angle	15° to 45°	, ,	15° to 45°	,,
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
15. Directional control with a maintained asymmetric	A			
collapse	Vas	۸	Van	^
Able to keep course	Yes	A	Yes	A
180° turn away from the collapsed side possible in 10 s	Yes More than 50 % of the	A	Yes	A
Amount of control range between turn and stall or spin	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	A			
Spin occurs	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	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	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	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	Α			
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
Cascade occurs	not available	0	not available	0
24. Comments of test pilot				