Turn angle to recover normal flight



Air Turquoise SA Rte du Pré-au-Comte 8 | CH-1844 Villeneuve tel. +41 21 965 65 65 | mobile +41 79 202 52 30 info@para-test.com

Flight test report: EN 926-2:2013

	Flight test repo	ort. Liv 320-2.2013				
	Manufacturer Address	777 jadralna padala d.o.o. Ulica Ane Ziherlove 10 1000 Ljubljana	Certification number Date of flight test		PG_0955.2015 09. 06. 2015	
		Slovenia				
	Glider model	Rook 2 S	Classification		В	
	Serial number	R2-S-G-0200-130315	Representative		None	
	Trimmer	no	Place of test		Villeneuve	
	Test pilot		Dupont Philippe		Thurnheer Claude	
	Harness		Supair - Access S		Niviuk - Hamak M	
		stance (cm)	41		42	
	Harness to risers distance (cm)		40		44	
Distance between risers (cm)						
	Total weight in flight	t (Kg)	65		85	
	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		A			
	Special landing technique required		No	Α	No	Α
	3. Speed in straight flight		A			
	Trim speed more than 30 k		Yes	A	Yes	A
	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
	Minimum speed 4. Control movement		Less than 25 km/h	Α	Less than 25 km/h	Α
		o 80 kg		A	Less than 25 km/h	Α
	4. Control movement	<u> </u>		A	Less than 25 km/h not available	A 0
	4. Control movement Max. weight in flight up to Symmetric control pressure	e / travel	Α			
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg	e / travel g to 100 kg	Α			
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure	e / travel g to 100 kg e / travel	A Increasing / greater than 55 cm	Α	not available	0
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great	e / travel g to 100 kg e / travel ater than 100 kg	A Increasing / greater than 55 cm not available	A 0	not available Increasing / greater than 60 cm	0 A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure	e / travel g to 100 kg e / travel ater than 100 kg e / travel	A Increasing / greater than 55 cm not available not available	Α	not available Increasing / greater than 60 cm	0
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a	e / travel g to 100 kg e / travel ater than 100 kg e / travel	A Increasing / greater than 55 cm not available not available A	A 0 0	not available Increasing / greater than 60 cm not available	0 A 0
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit	e / travel g to 100 kg e / travel ater than 100 kg e / travel	Increasing / greater than 55 cm not available not available A Dive forward less than 30°	A 0 0 A	not available Increasing / greater than 60 cm not available Dive forward less than 30°	0 A 0
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit Collapse occurs 6. Pitch stability operatin	e / travel g to 100 kg e / travel ater than 100 kg e / travel	A Increasing / greater than 55 cm not available not available A	A 0 0	not available Increasing / greater than 60 cm not available	0 A 0
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit Collapse occurs 6. Pitch stability operatin flight	e / travel g to 100 kg e / travel eter than 100 kg e / travel eccelerated flight	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A	A 0 0 A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No	0 A 0 A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs	e / travel g to 100 kg e / travel ater than 100 kg e / travel accelerated flight g controls during accelerated	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A	A 0 0 A	not available Increasing / greater than 60 cm not available Dive forward less than 30°	0 A 0
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs 7. Roll stability and damp	e / travel g to 100 kg e / travel ater than 100 kg e / travel accelerated flight g controls during accelerated	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A	A 0 0 A A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No	0 A 0 A A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs 7. Roll stability and damp Oscillations	g to 100 kg e / travel eter than 100 kg e / travel eccelerated flight g controls during accelerated bing	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A No A Reducing	A 0 0 A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No	0 A 0 A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting a Dive forward angle on exit Collapse occurs 6. Pitch stability operatin flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spira	g to 100 kg e / travel ater than 100 kg e / travel accelerated flight g controls during accelerated bing	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A No A Reducing A	A 0 0 A A A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No No Reducing	0 A 0 A A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig	g to 100 kg e / travel ater than 100 kg e / travel ccelerated flight g controls during accelerated bing als ght flight	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A No A Reducing A Spontaneous exit	A 0 0 A A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No	0 A 0 A A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig 9. Behaviour exiting a full	e / travel g to 100 kg e / travel ster than 100 kg e / travel sccelerated flight g controls during accelerated ping als ght flight ly developed spiral dive	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A No A Reducing A Spontaneous exit	A 0 0 A A A A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No No Reducing Spontaneous exit	0 A 0 A A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 k Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig	e / travel g to 100 kg e / travel ster than 100 kg e / travel sccelerated flight g controls during accelerated ping als ght flight ly developed spiral dive	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A No A Reducing A Spontaneous exit	A 0 0 A A A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No No Reducing	0 A 0 A A
	4. Control movement Max. weight in flight up to Symmetric control pressure Max. weight in flight 80 kg Symmetric control pressure Max. weight in flight great Symmetric control pressure 5. Pitch stability exiting at Dive forward angle on exit Collapse occurs 6. Pitch stability operating flight Collapse occurs 7. Roll stability and damp Oscillations 8. Stability in gentle spirat Tendency to return to straig 9. Behaviour exiting a full	e / travel g to 100 kg e / travel eter than 100 kg e / travel eccelerated flight g controls during accelerated ping als ght flight ly developed spiral dive rst 180°)	Increasing / greater than 55 cm not available not available A Dive forward less than 30° No A No A Reducing A Spontaneous exit A Immediate reduction of rate of	A 0 0 A A A A A	not available Increasing / greater than 60 cm not available Dive forward less than 30° No No Reducing Spontaneous exit	0 A 0 A A

Less than 720°, spontaneous

recovery

Less than 720°, spontaneous

recovery

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 30° to 60° / Keeping course	В
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 30° to 60° / Keeping course	В	Dive forward 30° to 60° / Keeping course	В
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
				Α
Change of course	Changing course less than 45°	Α	Changing course less than 45°	^
Cascade occurs	No	A	No	Α
Cascade occurs 12. High angle of attack recovery	No A		No	Α
Cascade occurs 12. High angle of attack recovery Recovery	No A Spontaneous in less than 3 s	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	No	Α
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 B	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 B Dive forward 0° to 30°	A A A	No Spontaneous in less than 3 s No Dive forward 30° to 60°	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 B Dive forward 0° to 30° No collapse	A A A	No Spontaneous in less than 3 s No Dive forward 30° to 60° 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 B Dive forward 0° to 30° No collapse No	A A A A	No Spontaneous in less than 3 s No Dive forward 30° to 60° No collapse No	A A B 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 B 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 30° to 60° No collapse No Less than 45°	A A B 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	No A Spontaneous in less than 3 s No B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight	A A A A	No Spontaneous in less than 3 s No Dive forward 30° to 60° No collapse No	A A B 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 B 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 30° to 60° No collapse No Less than 45°	A A B 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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B	A A A A A	No Spontaneous in less than 3 s No Dive forward 30° to 60° No collapse No Less than 45° Most lines tight	A A B 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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B Less than 90° / Dive or roll angle 0° to 15°	A A A A A	No Spontaneous in less than 3 s No Dive forward 30° to 60° 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
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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation	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 30° to 60° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation	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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation Less than 360°	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 30° to 60° 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°	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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation	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 30° to 60° No collapse No Less than 45° Most lines tight Less than 90° / Dive or roll angle 0° to 15° Spontaneous re-inflation	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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	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 30° to 60° 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
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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	No Spontaneous in less than 3 s No Dive forward 30° to 60° 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
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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	No Spontaneous in less than 3 s No Dive forward 30° to 60° 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
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	No A Spontaneous in less than 3 s No B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	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 30° to 60° 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
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 B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	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 30° to 60° 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
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 Twist occurs Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	A Spontaneous in less than 3 s No B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	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 30° to 60° 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 90° to 180° / Dive or roll angle 15°	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	A Spontaneous in less than 3 s No B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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 90° to 180° / Dive or roll angle 15° to 45°	A A A A A A A A B .	No Spontaneous in less than 3 s No Dive forward 30° to 60° 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 90° to 180° / Dive or roll angle 15° to 45°	A A A A A A A B B
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 Twist occurs Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation / Maximum dive forward or	A Spontaneous in less than 3 s No B Dive forward 0° to 30° No collapse No Less than 45° Most lines tight B 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	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 30° to 60° 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 90° to 180° / Dive or roll angle 15°	A A A A A A A A A

В

10. Symmetric front collapse

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
rodding inica daed	110	^	140	^
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	90° to 180° / Dive or roll angle 15° to 45°	В
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	00% to 400% / Diversity and the	_	00% to 400% / Diverse and all and to 45%	_
Change of course until re-inflation / Maximum dive forward or roll angle	90° to 180° / Dive or roll angle 15° to 45°	В	90° to 180° / Dive or roll angle 15° to 45°	В
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	Α	More than 50 % of the symmetric	Α
16. Trim speed spin tendency	symmetric control travel A		control travel	
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	В	,,		, ,
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
20.00.00.00.00.0000	span		, i	
Recovery	Spontaneous in 3 s to 5 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
Cascade occurs	No	Α	No	Α
20. Big ears	В			
Entry procedure	Dedicated controls	Α	Dedicated controls	Α
Behaviour during big ears	Stable flight	Α	Stable flight	Α
Recovery	Spontaneous in 3 s to 5 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	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	А	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

Comments