## AIR TURQUOISE SA | PARA-TEST.COM

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Test laboratory for paragliders, paraglider harnesses and paraglider reserve parachutes



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

Address   Okruzni 30 Ostravici Ozech Republic   Flight test   28.11.2018     Glider model   Kea 2 M   Classification   A     Serial number   2254-11-0928   Representative   None     Flidher model   Kea 2 M   Classification   A     Serial number   2254-11-0928   Representative   None     Folding lines used   no   Place of test   Villeneuve     Folding lines used   no   40   43     Distance between risers (cm)   40   44   44     1 inflationTak-off   A   Smooth, easy and constant rising Special lake of technique required   No   A     2. Landing Special rake of technique required   No   A   No   A     3. Special rake of technique required   No   A   No   A     3. Special rake of technique required   No   A   No   A     3. Special rake of technique required   No   A   No   A     4. Control movement   A   A   Yes   A     Minimum special   Increasing / greater than 55 cm   A   not available   O						
Type   Type   Type     Glider model   Kee 2 M   Classification   A     Glider model   Kee 2 M   Classification   A     Serial number   2254-11-0928   Representative   None     Trimmer   no   Place of test   Villeneuve     Folding lines used   no   Claude Thumheer   Alain Zoller     Harness to risers distance (cm)   40   43   43     Distance between risers (cm)   40   44   44     Total weight in flight (kg)   74   94   4     Total weight in flight (kg)   74   94   A     Special take off technique required   No   A   No   A     Special lang techningue required	Manufacturer Sky Paragliders a.s.		Certification number	PG_1432.2018		
Glider modelKea 2 MClassificationASerial number2254-11-0928RepresentativeNoneTrimmernoPlace of testVilleneuveFolding lines usednoVilleneuveTest pliotNoClaude ThurnheerAlain ZollerHarnessFlugsau - X-Light MGin Gliders - Gingo 2 LHarnessHarness to risers distance (cm)4043Distance between risers (cm)4044Total weight in flight (kg)74941. Infration-Take-offAsmooth, easy and constant rising ANoSpecial take off technique requiredNoANoASpecial take off technique requiredNoANoASpecial take off technique requiredNoANoASpecial take off technique requiredNoANoASpecial target sing the controls target film 10 kmhYesAYesASpecial target sing the controls target film 10 kmhYesANoAA control movementLess than 25 kmhIAMax.AMax. weight in flight gester than 10 kgIncreasing / greater than 60 cmANoASymmetric control pressure / travelnot available0Increasing / greater than 60 cmAMax. weight in flight gester than 10 kgNoANoAASymmetric control pressure / travelnot available0Increasing / greater than 60 cmASymm	Address	73911 Frýdlant nad Ostravicí	Flight test	2	8.11.2018	
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Folding lines used no   Claude Thumheer   Alain Zoller     Harness   Flugsau - X-Light M   Gin Gilders - Gingo 2 L     Harness to risers distance (cm)   40   43     Distance between risers (cm)   40   43     Total weight in flight (kg)   74   94     Sing behavior   Smooth, easy and constant rising A   Smooth		2254-11-0928	•			
Test pilot   Claude Thumheer   Alain Zoller     Harness   Flugsau - X-Light M   Gin Gilders - Gingo 2 L     Harness to risers distance (cm)   40   43     Distance between risers (cm)   40   44     Total weight in flight (kg)   74   94     1. Inflation/Take-off   A   Smooth, easy and constant rising A   Smooth, easy and constant rising A     Special take off technique required   No   A   No   A     2. Landing technique required   No   A   No   A     Special take off technique required   No   A   No   A     3. Special narbight flight   A   Yes   A     A Control movement   A   Yes   A     Max. weight in flight 0 to 80 kg   Increasing / greater than 55 cm   A   not available   0     Symmetric control pressure / travel   not available   0   not available   0     Symmetric control pressure / travel   not available   0   not available   0     Symmetric control pressure / travel   No   A   No   A     Softabability exiting accelerated flight	_	no	Place of test	V	Villeneuve	
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Entry Rocking back less than 45° A Rocking back less than 45° A	Approximately 30 % cho	ord				
	Entry		Rocking back less than 45°	A	Rocking back less than 45°	A

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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	A	Dive forward 0° to 30° Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
At least 50% chord				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	Α	Dive forward 0° to 30° / Keeping course	A
Cascade occurs	No	А	No	А
Folding lines used	No		No	
With accelerator				
Entry	Rocking back less than 45°	А	Rocking back less than 45°	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit / Change of course	Dive forward 0° to 30° / Keeping course	A	Dive forward 0° to 30° / Keeping course	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
11. Exiting deep stall (parachutal stall)	А			
Deep stall achieved	Yes	А	Yes	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Change of course	Changing course less than 45°	А	Changing course less than 45°	А
Cascade occurs	No	А	No	А
12. High angle of attack recovery	A			
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Cascade occurs	No	А	No	А
13. Recovery from a developed full stall	A		-	
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Collapse	No collapse	А	No collapse	А
Cascade occurs (other than collapses)	No	А	No	А
Rocking back	Less than 45°	А	Less than 45°	А
Line tension	Most lines tight	А	Most lines tight	А
14. Asymmetric collapse	A		5	
Small asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle $0^{\circ}$ to $15^{\circ}$	А	Less than 90° / Dive or roll angle 0° to 15°	А
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
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	A	No (or only a small number of	A
	collapsed cells with a spontaneous reinflation)		collapsed cells with a spontaneous reinflation)	
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	A	Less than 90° / Dive or roll angle 15° to 45°	A
Re-inflation behaviour	Spontaneous re-inflation	А	Spontaneous re-inflation	А
Total change of course	Less than 360°	А	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
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°	A	Less than 90° / Dive or roll angle 0° to 15°	А
Re-inflation behaviour	Spontaneous re-inflation	A	Spontaneous re-inflation	А

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 spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	А	No	А
Cascade occurs	No	А	No	А
Folding lines used	No		No	
Large asymmetric collapse with fully activated accelerator				
Change of course until re-inflation / Maximum dive forward or roll angle	Less than 90° / Dive or roll angle 15° to 45°	Α	Less than 90° / Dive or roll angle 15° to 45°	А
Re-inflation behaviour	Spontaneous re-inflation	Α	Spontaneous re-inflation	А
Total change of course	Less than 360°	Α	Less than 360°	А
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous reinflation)	A	No (or only a small number of collapsed cells with a spontaneous reinflation)	A
Twist occurs	No	Α	No	А
Cascade occurs	No	Α	No	А
Folding lines used	No		No	
15. Directional control with a maintained asymmetric collapse	Α			
Able to keep course	Yes	А	Yes	А
180° turn away from the collapsed side possible in 10 s	Yes	А	Yes	А
Amount of control range between turn and stall or spin	More than 50 % of the symmetric control travel	А	More than 50 % of the symmetric control travel	A
16. Trim speed spin tendency	Α			
Spin occurs	No	Α	No	А
17. Low speed spin tendency	Α			
Spin occurs	No	А	No	А
18. Recovery from a developed spin	Α			
Spin rotation angle after release	Stops spinning in less than 90°	А	Stops spinning in less than 90°	А
Cascade occurs	No	А	No	А
19. B-line stall	Α			
Change of course before release	Changing course less than 45°	А	Changing course less than 45°	А
Behaviour before release	Remains stable with straight span	А	Remains stable with straight span	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Cascade occurs	No	А	No	А
20. Big ears	Α			
Entry procedure	Dedicated controls	Α	Dedicated controls	А
Behaviour during big ears	Stable flight	Α	Stable flight	А
Recovery	Spontaneous in less than 3 s	Α	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
21. Big ears in accelerated flight	Α			
Entry procedure	Dedicated controls	А	Dedicated controls	А
Behaviour during big ears	Stable flight	А	Stable flight	А
Recovery	Spontaneous in less than 3 s	А	Spontaneous in less than 3 s	А
Dive forward angle on exit	Dive forward 0° to 30°	А	Dive forward 0° to 30°	А
Behaviour immediately after releasing the accelerator while maintaining big ears	Stable flight	A	Stable flight	A
22. Alternative means of directional control	Α			
180° turn achievable in 20 s	Yes	А	Yes	А
Stall or spin occurs	No	А	No	А
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				