| Manufacturer | Mac Para | Type testing No. | EAPR-GS-7181/09 |
|--------------|------------------------------------|------------------|-----------------|
| Address | 756 61 Roznov pod Radhostem, CZ | Date of testing | 1315.03.2009 |
| Model | Eden 4-30 | Location | Bassano |



European Academy of Parachute Rigging e.V - Luitpoldstr. 30 - D87700 Memmingen - Germany Under approval of EPTA European Paraglider Testlaboratory Alicane

| | Minimum take off weight | Maximum take off weight | | |
|-------------------------|-------------------------|-------------------------|--|--|
| Testpilot | Mario Eder | Eki Maute | | |
| Harness | Academy | Academy | | |
| Pilot's take off weight | 100 kg | 130 kg | | |

| Classification | В |
|----------------|---|
|----------------|---|

| | | Minimum take off weight | | | |
|---|--|----------------------------------|------------|----------------------------------|------------|
| Test-criteria | iteria | | Evaluation | Maximum take off weight | Evaluation |
| 1. Inflation / take-off - 4.4.1 | | | | | |
| Rising behavior | | Smooth, easy and constant rising | Α | Smooth, easy and constant rising | А |
| Special take off technique required | | No | Α | No | А |
| 2. Landing - 4.4.2 | | | | | |
| Special landing technique required | | No | А | No | А |
| 3. Speeds in straight flight - 4.4.3 | | | | | |
| Trim speed more than 30km/h | | Yes | А | Yes | А |
| Speed range using the controls larger than 10km/ | h | Yes A Yes | | | А |
| Minimum speed | | Less than 25 km/h | А | Less than 25 km/h | А |
| 4. Control movement - 4.4.4 | | • | | | |
| Max. weight in flight up to 80kg | | | - | | - |
| Max. weight in flight 80 to 100kg | | Increasing > 60cm | А | Increasing > 60cm | А |
| Max. weight in flight greater than 100kg | x. weight in flight greater than 100kg | | - | | - |
| 5. Pitch stability exiting accelerated flight - 4.4 | .5 | 1 | | | |
| Dive forward angle on exit | | | Α | Dive forward less than 30° | А |
| Collapse occurs | | No | Α | No | Α |
| 6. Pitch stability operating controls during acc | elerated f | light - 4.4.6 | | | |
| Collapse occurs | | No | Α | No | А |
| 7. Roll stability and damping - 4.4.7 | | | | | |
| Oscillations | | Reducing | А | Reducing | A |
| 8. Stability in gentle spirals - 4.4.8 | | | | | |
| Tendency to return to straight flight | | Spontaneous exit | А | Spontaneous exit | А |
| 9. Behaviour in a steeply banked turn - 4.4.9 | | | | | |
| Sink rate after two turns | | More than 14m/s | В | More than 14m/s | В |
| 10. Symmetric front collapse - 4.4.10 | | | | | |
| Entry | _ | Rocking back less than 45° | А | Rocking back less than 45° | А |
| Recovery | trim speed | Spontaneous in less than 3 sec | А | Spontaneous in 3 to 5 sec | В |
| Dive forward angle on exit | <u>.</u> E | 0° - 30° Keeping course | А | 30° - 60° Keeping course | В |
| Cascade occurs | 1 = | No | Α | No | А |
| Entry | р | Rocking back less than 45° | Α | Rocking back less than 45° | А |
| Recovery | ate | Spontaneous in less than 3 sec | A | Spontaneous in less than 3 sec | A |
| Dive forward angle on exit | accelerated | 30° - 60° Keeping course | В | 30° - 60° Keeping course | В |
| Cascade occurs | ä | No | Α | No | Α |

| 11. Exiting deep stall (parachutal stall) - 4.4.11 | | | | | | | | | |
|--|----------------------------------|---|---|--------------------|---------------------------------------|---|--|-------------------|---|
| Deep stall achieved | | Yes | | | | Yes | | | |
| Recovery | | Spontaneous in | less than 3 sec | | А | Spontaneous in less than 3 sec | | | Α |
| Dive forward angle on exit | | 30° - 60° | | | В | 30° - 60° | | | В |
| Change of course | | Changing course | e less than 45° | | A | Changing course | e less than 45° | | A |
| Cascade occurs | | No | | | A | No | | | A |
| 12. High angle of attack recovery - 4.4.12 | | | | | | | | | 1 |
| Recovery | | Spontaneous in | less than 3 sec | | Α | Spontaneous in | less than 3 sec | | Α |
| Cascade occurs | | No | ' | | Α | No | | | Α |
| 13. Recovery from a developed full stall - 4.4.1 | 3 | | | | | | | | |
| Dive forward angle on exit | | 30° - 60° | 30° - 60° | | | 30° - 60° | | | В |
| Collapse | | No collapse | | | A | No collapse | | | A A |
| Cascade occurs (other than collapse) Rocking backward | | No Less than 45° | | | A A | | Less than 45° | | |
| Line tension | | Most lines tight | | | A | Most lines tight | | | A |
| 14. Asymmetric collapse (trim speed) - 4.4.14 | | | | | | | | | |
| Change of course until re-inflation | o) | 90° - 180° | Dive or roll angle | 0° - 15° | Α | 90° - 180° | Dive or roll angle | 15° - 45° | В |
| - | trim speed, max 50% collapse | | l | 1 | | | l | | |
| Re-inflation behavior | beed soll | Spontaneous re- | -inflation | | Α | Spontaneous re- | inflation | | Α |
| Total change of course | m s | Less than 360° | | | Α | Less than 360° | | | Α |
| Collapse on the opposite side occurs Twist occurs | tr | No No | | | A A | No No | | | A A |
| Cascade occurs | - | No | | | A | No | | | A |
| Change of course until re-inflation | | 90° - 180° | Dive or roll angle | 15° - 45° | В | < 90° | Dive or roll angle | 15° - 45° | Α |
| | trim speed, max 75% collapse | | | 1 .5 % | | | | 1 .5 % | |
| Re-inflation behavior | Seed | Spontaneous re- | inflation | | Α | Spontaneous re- | inflation | | Α |
| Total change of course | m st | Less than 360° | | | Α | Less than 360° | | | Α |
| Collapse on the opposite side occurs | trii lax 7 | No No | | | A | No No | | | A |
| Twist occurs Cascade occurs | Ε | No | | | A | No | | | A |
| | | | ı | T | Λ | - | ı | I | ,, |
| Change of course until re-inflation | se | 90° - 180° | Dive or roll angle | 0° - 15° | Α | 90° - 180° | Dive or roll angle | 15° - 45° | В |
| Re-inflation behavior | accelerated, max 50% collapse | Spontaneous re- | -inflation | | Α | Spontaneous re- | inflation | | Α |
| Total change of course | accelerated, x 50% collap | Less than 360° | | | | | | | |
| Collapse on the opposite side occurs | 300e x | No | | | A A | Less than 360° | | | A |
| Twist occurs | max | No | | | Α | No | | | A |
| Cascade occurs | | No | 1 | | Α | No | 1 | Г | Α |
| Change of course until re-inflation | 9, | 90° - 180° | Dive or roll angle | 15° - 45° | В | < 90° | Dive or roll angle | 15° - 45° | Α |
| Re-inflation behavior | ted, ollaps | Spontaneous re- | inflation | l | А | Spontaneous re- | inflation | | Α |
| | g 5 | Spontaneous re-initiation | | | | | | | |
| Total change of course | % of | Less than 360° | | | | · | | | |
| Total change of course Collapse on the opposite side occurs | accelera x 75% o | Less than 360° | | | A | Less than 360° | | | A |
| Collapse on the opposite side occurs Twist occurs | accelerated, max 75% collapse | No No | | | A A A | Less than 360° No No | | | A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs | | No No No | | | A A | Less than 360° | | | A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry | | No No No lapse - 4.4.15 | | | A A A | Less than 360° No No No | | | A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry Able to keep course straight | metric col | No No No lapse - 4.4.15 | | | A A A A | Less than 360° No No No Yes | | | A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry | metric col | No No No lapse - 4.4.15 | | | A A A | Less than 360° No No No | | | A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry Able to keep course straight | metric col | No No No No Ilapse - 4.4.15 Yes | of the symmetric o | control travel | A A A A | Less than 360° No No No Yes Yes | of the symmetric c | control travel | A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmathe asymmathe to keep course straight 180° turn away from the collapsed side possible in | metric col | No No No No Ilapse - 4.4.15 Yes | of the symmetric o | control travel | A A A A | Less than 360° No No No Yes Yes | | control travel | A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry Able to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or | metric col | No No No No Ilapse - 4.4.15 Yes | of the symmetric o | control travel | A A A A | Less than 360° No No No Yes Yes | | control travel | A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmethod by turn away from the collapsed side possible in Amount of control range between turn and stall or the collapsed side possible in the control range between turn and stall or the collapsed side possible in the control range between turn and stall or the collapsed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 | metric col | No No No No No No No Iapse - 4.4.15 Yes Yes More than 50% o | of the symmetric o | control travel | A A A A A A A | Less than 360° No No No No Yes Yes More than 50% o | | control travel | A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry Able to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs | metric col | No No No No No Alapse - 4.4.15 Yes Yes More than 50% of | of the symmetric o | control travel | A A A A | Less than 360° No No No Yes Yes More than 50% o | | control travel | A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmethod by turn away from the collapsed side possible in Amount of control range between turn and stall or the collapsed side possible in the control range between turn and stall or the collapsed side possible in the control range between turn and stall or the collapsed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 | metric col | No No No No No No No Iapse - 4.4.15 Yes Yes More than 50% o | of the symmetric o | control travel | A A A A A A A | Less than 360° No No No No Yes Yes More than 50% o | | control travel | A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetry Able to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs | metric col | No No No No No No No Iapse - 4.4.15 Yes Yes More than 50% o | | control travel | A A A A A A A | Less than 360° No No No No Yes Yes More than 50% o | of the symmetric c | control travel | A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmetable to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 | metric col | No N | | control travel | A A A A A A A A A | Ves Ves More than 50% No | of the symmetric c | control travel | A A A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or: 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release | metric col | No N | | control travel | A A A A A A A A A A A A A A A A A A A | Ves Yes More than 50% of No No Yes Yes More than 50% of No Stops spinning in | of the symmetric c | control travel | A A A A A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch as the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or: 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs | metric col | No N | n less than 90° | control travel | A A A A A A A A A A A A A A A A A A A | Ves Yes More than 50% of No No Yes Yes More than 50% of No Stops spinning in | of the symmetric of the | control travel | A A A A A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmathe asymmath | metric col | No No No No No No No No No Stops spinning ir No Changing course | n less than 90° | | A A A A A A A A A | Ves Yes More than 50% of No No No Yes Yes More than 50% of No Changing course | of the symmetric of the | | A A A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release | metric col | No No No No No No No No No Stops spinning ir No Changing course | n less than 90° e less than 45° with straight span | | A A A A A A A A | Ves Yes More than 50% of No No No Yes Yes More than 50% of No Changing course | of the symmetric of the | | A A A A A A A A |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the collapse of the collapsed side possible in the collapsed spin collapsed spin occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit | metric col | No Yes Yes More than 50% of No No Stops spinning ir No Changing course Remains stable of Spontaneous in log-30° | n less than 90° e less than 45° with straight span | | A A A A A A A | No No No Yes Yes More than 50% of No Changing course Remains stable Spontaneous in 0° - 30° | of the symmetric of the | | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or seep the seep turn and stall or seep turn of the spin occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs | metric col | No No No No No No No No Yes Yes More than 50% of No No Changing course Remains stable v Spontaneous in | n less than 90° e less than 45° with straight span | | A A A A A A A A A | Ves Ves More than 50% No No Changing course Remains stable Spontaneous in | of the symmetric of the | | A A A A A B |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch as the tokeep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or the collapsed side possible in Amount of control range between turn and stall or the collapsed side possible in Amount of control range between turn and stall or the collapsed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 | metric col | No N | n less than 90° e less than 45° with straight span less than 3 sec | | A A A A A A A A | Ves Ves More than 50% No No No Changing course Remains stable Spontaneous in 0° - 30° No | of the symmetric of the | | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure | metric col | No Yes Yes More than 50% of No Stops spinning ir No Changing course Remains stable v Spontaneous in l 0° - 30° No Standard technic | n less than 90° e less than 45° with straight span less than 3 sec | | A A A A A A A A A A | Ves Ves More than 50% of No No No Ves Yes More than 50% of No Changing course Remains stable Spontaneous in 0° - 30° No Special device re | of the symmetric of the | | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or seed to compare the spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears | metric col | No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable of Spontaneous in I 0° - 30° No Standard technic Stable flight | n less than 90° e less than 45° with straight span less than 3 sec | | A A A A A A A A A A A A A A A A A A A | Ves Ves More than 50% No No No Ves Yes More than 50% No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight | of the symmetric of the | | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or in the collapsed side possible in Amount of control range between turn and stall or in the collapsed side possible in Amount of control range between turn and stall or in the collapsed side possible in Amount of control range between turn and stall or in the collapse spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery | metric col | No Steps = 4.4.15 Yes More than 50% of No Stops spinning ir No Changing course Remains stable to Spontaneous in 1 0° - 30° No Standard technic Stable flight Recovery throug 3 sec | n less than 90° e less than 45° with straight span less than 3 sec | | A A A A A A B B | Less than 360° No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec | of the symmetric of the | | A A A A A A B B A A A B B |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or information occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit | metric col | No N | n less than 90° e less than 45° with straight span less than 3 sec | | A A A A A A A A A A A A A A A A A A A | No N | of the symmetric of the | | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or in the collapsed side possible in Amount of control range between turn and stall or in the collapsed side possible in Amount of control range between turn and stall or in the collapsed side possible in Amount of control range between turn and stall or in the collapse spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery | metric col | No Steps = 4.4.15 Yes More than 50% of No Stops spinning ir No Changing course Remains stable to Spontaneous in 1 0° - 30° No Standard technic Stable flight Recovery throug 3 sec | n less than 90° e less than 45° with straight span less than 3 sec | | A A A A A A B B | Less than 360° No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec | of the symmetric of the | | A A A A A A B B A A A B B |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or information occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit | metric col | No Steps = 4.4.15 Yes More than 50% of No Stops spinning ir No Changing course Remains stable to Spontaneous in 1 0° - 30° No Standard technic Stable flight Recovery throug 3 sec | n less than 90° a less than 45° with straight span less than 3 sec | | A A A A A A B B | Less than 360° No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec | of the symmetric of the | | A A A A A A B B A A A B B |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or side of the spin occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit Cascade occurs 21. Big Ears in accelerated flight - 4.4.21 | metric col | No N | n less than 90° a less than 45° with straight span less than 3 sec | | A A A A A A A A A A A A A A A A A A A | Less than 360° No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec 0° bis 30° | of the symmetric of the | | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch of the seep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or the spin occurs 16. Trim speed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure | metric col | No N | n less than 90° a less than 45° with straight span less than 3 sec | ess than a further | A A A A A A A A A A A A A A A A A A A | Less than 360° No No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Stable flight Recovery throug 3 sec 0° bis 30° Special device re Stable flight Recovery throug | of the symmetric of the | ss than a further | 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 Twist occurs Cascade occurs 15. Directional control with a maintained asymmable to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or the collapsed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears Recovery | metric col | No N | n less than 90° eless than 45° with straight span less than 3 sec que | ess than a further | A A A A A A A B B A B | Less than 360° No No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Special device re Stable flight Recovery throug 3 sec Special device re Stable flight Recovery throug 3 sec | of the symmetric of the | ss than a further | A A A A A A A A B A A A B B A A B B A A B B A A B B A A B B A A B B A A B B A A B B B A A B B B A A B B B A B |
| Collapse on the opposite side occurs Twist occurs Cascade occurs 15. Directional control with a maintained asymmatch to keep course straight 180° turn away from the collapsed side possible in Amount of control range between turn and stall or the collapsed spin tendency - 4.4.16 Spin occurs 17. Low speed spin tendency - 4.4.17 Spin occurs 18. Recovery from a developed spin - 4.4.18 Spin rotation angle after release Cascade occurs 19. B-line-stall - 4.4.19 Change of course before release Behaviour before release Recovery Dive forward angle on exit Cascade occurs 20. Big ears - 4.4.20 Entry procedure Behaviour during big ears Recovery Dive forward angle on exit 21. Big Ears in accelerated flight - 4.4.21 Entry procedure Behaviour during big ears | 10 sec spin | No N | n less than 90° eless than 45° with straight span less than 3 sec que | ess than a further | A A A A A A A A A A A A A A A A A A A | Less than 360° No No No No No No Yes Yes More than 50% of No Stops spinning in No Changing course Remains stable Spontaneous in 0° - 30° No Stable flight Recovery throug 3 sec 0° bis 30° Special device re Stable flight Recovery throug | of the symmetric of the | ss than a further | A A A A A A A A A A A A A A A A A A A |

| 22. Behaviour exiting a steep spiral - 4.4.22 | | | | |
|--|---|----------------|--|--------------|
| Tendency to return to straight flight | Spontaneous exit | А | Spontaneous exit | А |
| Turn angle to recover normal flight | Less than 720°, spontaneous recovery | Α | Less than 720°, spontaneous recovery | Α |
| 23. Alternative means of directional control - 4 | .4.23 | | | |
| 180° turn achievable in 20 sec | Yes | А | Yes | Α |
| Stall or spin occurs | No | Α | No | Α |
| 24. Any other flight procedure and/or configura | ation described in the user's manual - 4.4.24 | | | |
| Procedure works as descibed | | NA | | NA |
| Procedure suitable for novice pilots | | NA | | NA |
| Cascade occurs | | NA | | NA |
| 25. Remarks of testpilot: | | | | |
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