



MAC PARA PASHA 7 42

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| Type designation | MAC PARA Pasha 7 42 |
| Type test reference no | DHV GS-01-2706-22 |
| Holder of certification | MAC Para Technology |
| Manufacturer | MAC Para Technology |
| Classification | B |
| Winch towing | Yes |
| Number of seats min / max | 1 / 2 |
| Accelerator | No |
| Trimmers | Yes |



| | BEHAVIOUR AT MIN WEIGHT IN FLIGHT (140KG) | BEHAVIOUR AT MAX WEIGHT IN FLIGHT (220KG) |
|---|---|---|
| Test pilots |  Sebastian Mackrodt No release |  Mario Eder No release |
| Inflation/take-off | A | A |
| Rising behaviour | Smooth, easy and constant rising | Smooth, easy and constant rising |
| Special take off technique required | No | No |
| Landing | A | A |
| Special landing technique required | No | No |
| Speeds in straight flight | A | A |
| Trim speed more than 30 km/h | Yes | Yes |
| Speed range using the controls larger than 10 km/h | Yes | Yes |
| Minimum speed | Less than 25 km/h | Less than 25 km/h |
| Control movement | A | A |
| Symmetric control pressure | Increasing | Increasing |
| Symmetric control travel | Greater than 65 cm | Greater than 65 cm |
| Pitch stability exiting accelerated flight | Not carried out because the glider is not equipped with an accelerator | |
| Pitch stability operating controls during accelerated flight | Not carried out because the glider is not equipped with an accelerator | |
| Roll stability and damping | A | A |
| Oscillations | Reducing | Reducing |
| Stability in gentle spirals | A | A |
| Tendency to return to straight flight | Spontaneous exit | Spontaneous exit |
| en : Verhalten beim Verlassen einer vollständigen Steilspirale | A | A |
| en : Erstes Ansprechen des Gleitschirms (die ersten 180°) | en : unmittelbare Verringerung der Drehgeschwindigkeit | en : unmittelbare Verringerung der Drehgeschwindigkeit |

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| Tendency to return to straight flight | en : selbstständiges Ausleiten (G-Kraft abnehmend, Drehgeschwindigkeit abnehmend) | en : selbstständiges Ausleiten (G-Kraft abnehmend, Drehgeschwindigkeit abnehmend) |
| Turn angle to recover normal flight | Less than 720°, spontaneous recovery | Less than 720°, spontaneous recovery |
| Symmetric front collapse | | |
| Entry | Rocking back less than 45° | Rocking back less than 45° |
| Recovery | Spontaneous in less than 3 s | Spontaneous in less than 3 s |
| Dive forward angle on exit | Dive forward 0° to 30° | Dive forward 0° to 30° |
| Change of course | Entering a turn of less than 90° | Keeping course |
| Cascade occurs | No | No |
| en : Faltleinen wurden benutzt | no | no |
| en : Symmetrischer Frontklapper mindestens 50% Flügeltiefe | | |
| Entry | Rocking back less than 45° | Rocking back less than 45° |
| Recovery | Spontaneous in 3 s to 5 s | Spontaneous in less than 3 s |
| Dive forward angle on exit | Dive forward 0° to 30° | Dive forward 0° to 30° |
| Change of course | Entering a turn of less than 90° | Keeping course |
| Cascade occurs | No | No |
| en : Faltleinen wurden benutzt | no | no |
| en : Symmetrischer Frontklapper im beschleunigten Flug mindestens 50% Flügeltiefe | | |
| Not carried out because the glider is not equipped with an accelerator | | |
| Exiting deep stall (parachutal stall) | | |
| Deep stall achieved | Yes | Yes |
| Recovery | Spontaneous in less than 3 s | Spontaneous in less than 3 s |
| Dive forward angle on exit | Dive forward 30° to 60° | Dive forward 0° to 30° |
| Change of course | Changing course less than 45° | Changing course less than 45° |
| Cascade occurs | No | No |
| High angle of attack recovery | | |
| Recovery | Spontaneous in less than 3 s | Spontaneous in less than 3 s |
| Cascade occurs | No | No |
| Recovery from a developed full stall | | |
| Dive forward angle on exit | Dive forward 30° to 60° | Dive forward 0° to 30° |
| Collapse | No collapse | No collapse |
| Cascade occurs (other than collapses) | No | No |
| Rocking back | Less than 45° | Less than 45° |
| Line tension | Most lines tight | Most lines tight |
| en : Kleiner einseitiger Klapper | | |
| Change of course until re-inflation | Less than 90° | Less than 90° |
| Maximum dive forward or roll angle | Dive or roll angle 15° to 45° | Dive or roll angle 0° to 15° |
| Re-inflation behaviour | Spontaneous re-inflation | Spontaneous re-inflation |
| Total change of course | Less than 360° | Less than 360° |
| Collapse on the opposite side occurs | en : Nein (oder nur eine kleine Anzahl von eingeklappten Zellen mit selbstständiger Wiederöffnung) | en : Nein (oder nur eine kleine Anzahl von eingeklappten Zellen mit selbstständiger Wiederöffnung) |
| Twist occurs | No | No |
| Cascade occurs | No | No |
| en : Faltleinen wurden benutzt | no | no |
| en : Großer einseitiger Klapper | | |
| Change of course until re-inflation | 90° to 180° | 90° to 180° |
| Maximum dive forward or roll angle | Dive or roll angle 15° to 45° | Dive or roll angle 15° to 45° |
| Re-inflation behaviour | Spontaneous re-inflation | Spontaneous re-inflation |
| Total change of course | Less than 360° | Less than 360° |
| Collapse on the opposite side occurs | en : Nein (oder nur eine kleine Anzahl von eingeklappten Zellen mit selbstständiger Wiederöffnung) | en : Nein (oder nur eine kleine Anzahl von eingeklappten Zellen mit selbstständiger Wiederöffnung) |
| Twist occurs | No | No |
| Cascade occurs | No | No |
| en : Faltleinen wurden benutzt | no | no |
| en : Kleiner einseitiger Klapper im beschleunigten Flug | | |
| Not carried out because the glider is not equipped with an accelerator | | |

en : Großer einseitiger Klapper im beschleunigten Flug

Not carried out because the glider is not equipped with an accelerator

Directional control with a maintained asymmetric collapse**A****A****Able to keep course** Yes

Yes

180° turn away from the collapsed side possible in 10 s Yes

Yes

Amount of control range between turn and stall or spin More than 50 % of the symmetric control travel

More than 50 % of the symmetric control travel

Trim speed spin tendency**A****A****Spin occurs** No

No

Low speed spin tendency**A****A****Spin occurs** No

No

Recovery from a developed spin**A****A****Spin rotation angle after release** Stops spinning in less than 90°

Stops spinning in less than 90°

Cascade occurs No

No

B-line stall**A****A****Change of course before release** Changing course less than 45°

Changing course less than 45°

Behaviour before release Remains stable with straight span

Remains stable with straight span

Recovery Spontaneous in less than 3 s

Spontaneous in less than 3 s

Dive forward angle on exit Dive forward 0° to 30°

Dive forward 0° to 30°

Cascade occurs No

No

Big ears**B****B****Entry procedure** Standard technique

Standard technique

Behaviour during big ears Stable flight

Stable flight

Recovery Recovery through pilot action in less than a further 3 s

Recovery through pilot action in less than a further 3 s

Dive forward angle on exit Dive forward 0° to 30°

Dive forward 0° to 30°

Big ears in accelerated flight

Not carried out because the glider is not equipped with an accelerator

Alternative means of directional control**A****A****180° turn achievable in 20 s** Yes

Yes

Stall or spin occurs No

No

Any other flight procedure and/or configuration described in the user's manual

No other flight procedure or configuration described in the user's manual