



| Manufacturer | DHV GS-01-2497-19 Skywalk GmbH & Co. KG Skywalk GmbH & Co. KG | |
|--|---|--|
| Classification Winch towing Number of seats min / max | Yes | |
| Accelerator Trimmers | Yes No | BEHAVIOUR AT MAX WEIGHT |
| | FLIGHT (65KG) | IN FLIGHT (105KG) |
| | | 1 and 1 |
| | | |
| | Beni Stocker No release | Sebastian Mackrodt No release |
| Rising behaviour | Smooth, easy and constant rising | A Smooth, easy and constant rising |
| Special take off technique required | 1 | No |
| Special landing technique required | 1 | No |
| Trim speed more than 30 km/h | Yes | B Yes |
| Speed range using the controls larger than 10 km/h Minimum speed | | Yes 25 km/h to 30 km/h |
| <u>Control movement</u> Symmetric control pressure | | A Increasing |
| Symmetric control travel | Greater than 55 cm | Greater than 65 cm |
| Pitch stability exiting accelerated flight Dive forward angle on exit Collapse occurs | Dive forward less than 30° | A Dive forward less than 30° No |
| Pitch stability operating controls during | | A |
| accelerated flight Collapse occurs | No | No |
| Roll stability and damping Oscillations | <u>.</u> | A Reducing |
| | <u>.</u> | A |
| Tendency to return to straight flight Behaviour exiting a fully developed spiral dive | | Spontaneous exit |
| Initial response of glider (first 180°) Tendency to return to straight flight | Spontaneous exit (g force decreasing, rate of | Immediate reduction of rate of turn Spontaneous exit (g force decreasing rate of turn decreasing) |
| Turn angle to recover normal flight | Less than 720°, spontaneous recovery | Less than 720°, spontaneous recover |
| Entry | Rocking back less than 45° | A Rocking back less than 45° Spontaneous in less than 3 s |
| Dive forward angle on exit Change of course | Dive forward 0° to 30° Keeping course | Spontaneous in less than 3 s Dive forward 0° to 30° Keeping course |
| Cascade occurs Folding lines used | - | No |
| - | Rocking back less than 45° | A Rocking back less than 45° |
| Recovery Dive forward angle on exit | Spontaneous in less than 3 s Dive forward 0° to 30° | Spontaneous in less than 3 s Dive forward 0° to 30° Entering a turn of less than 90° |
| Change of course Cascade occurs Folding lines used | No | No No |
| /// | <u>.</u> | B Rocking back less than 45° |
| Recovery Dive forward angle on exit | Spontaneous in less than 3 s Dive forward 0° to 30° | Spontaneous in less than 3 s Dive forward 30° to 60° |
| Change of course Cascade occurs Folding lines used | No | Entering a turn of less than 90° No no |
| | · | В |
| Deep stall achieved Recovery Dive forward angle on exit | Spontaneous in less than 3 s | Yes Spontaneous in less than 3 s Dive forward 30° to 60° |
| | Changing course less than 45° | Changing course less than 45° No |
| | <u>.</u> | A Spontaneous in less than 3 s |
| Cascade occurs | No | No |
| Dive forward angle on exit | Dive forward 30° to 60° | B Dive forward 30° to 60° No collapse |
| Cascade occurs (other than collapses) Rocking back | No Less than 45° | No Less than 45° |
| | | Most lines tight |
| Change of course until re-inflation Maximum dive forward or roll angle | Dive or roll angle 15° to 45° | Less than 90° Dive or roll angle 15° to 45° |
| Re-inflation behaviour Total change of course | Less than 360° | Spontaneous re-inflation Less than 360° No (or only a small number of |
| Collapse on the opposite side occurs | No (of only a small number of conapsed cens | collapsed cells with a spontaneous re |
| Collapse on the opposite side occurs Twist occurs | with a spontaneous re inflation) | inflation) |
| | with a spontaneous re inflation) No No | inflation) |
| Twist occurs Cascade occurs Folding lines used | with a spontaneous re inflation) No No no | inflation) No No |
| Twist occurs Cascade occurs Folding lines used Large asymmetric collapse Change of course until re-inflation Maximum dive forward or roll angle Re-inflation behaviour | with a spontaneous re inflation) No No no A Less than 90° Dive or roll angle 15° to 45° Spontaneous re-inflation | inflation) No No no B 90° to 180° Dive or roll angle 15° to 45° Spontaneous re-inflation |
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