DHY	DHV-tested Equipment	Flying Equipment Database	Manufacturers / Dealers	Flying Schools	Clubs	
DHV Databases						
DHV TESTREPORT LTF						DHY

	Skywalk GmbH & Co. KG Skywalk GmbH & Co. KG	7
Classification Winch towing	B Yes	
Number of seats min / max Accelerator Trimmers	Yes	
	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (75KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (100KG)
		ACE
	Josef Bauer	Sebastian Mackrodt
	No release B	No release
	Easy rising, some pilot correction is required	required
Special take off technique required	No	No
Special landing technique required	No	No
Speeds in straight flight Trim speed more than 30 km/h	A Yes	A Yes
Speed range using the controls larger than 10 km/h Minimum speed	Yes Less than 25 km/h	Yes Less than 25 km/h
	Α	Α
Symmetric control pressure Symmetric control travel		Increasing Greater than 60 cm
Pitch stability exiting accelerated flight Dive forward angle on exit	A Dive forward less than 30°	A Dive forward less than 30°
Collapse occurs		No
accelerated flight	Α	A
Collapse occurs Roll stability and damping	No	No
Oscillations	<u>.</u>	Reducing
Stability in gentle spirals Tendency to return to straight flight	A Spontaneous exit	A Spontaneous exit
Behaviour exiting a fully developed spiral dive		в
	Spontaneous exit (g force decreasing, rate of	
Turn angle to recover normal flight	1	rate of turn decreasing) Less than 720°, spontaneous recover
Entry	A Rocking back less than 45°	A Rocking back less than 45°
Recovery Dive forward angle on exit Change of course		Spontaneous in less than 3 s Dive forward 0° to 30° Keeping course
Change of course Cascade occurs Folding lines used	No	Keeping course No no
<u>Unaccelerated collapse (at least 50 % chord)</u>	Α	В
Recovery	Rocking back less than 45° Spontaneous in less than 3 s	Rocking back less than 45° Spontaneous in less than 3 s
Dive forward angle on exit Change of course Cascade occurs	Keeping course	Dive forward 30° to 60° Keeping course No
Folding lines used	no	no
Entry	B Rocking back less than 45°	B Rocking back less than 45°
Recovery Dive forward angle on exit Change of course		Spontaneous in less than 3 s Dive forward 30° to 60° Keeping course
Cascade occurs Folding lines used	No	No
	A	A
Deep stall achieved Recovery Dive forward angle on exit	Spontaneous in less than 3 s	Yes Spontaneous in less than 3 s Dive forward 0° to 30°
-	Changing course less than 45°	Changing course less than 45° No
	Α	Α
Recovery Cascade occurs	Spontaneous in less than 3 s No	Spontaneous in less than 3 s No
Recovery from a developed full stall Dive forward angle on exit	A Dive forward 0° to 30°	A Dive forward 0° to 30°
Collapse Cascade occurs (other than collapses)	No collapse No	No collapse No
Rocking back Line tension	Less than 45° Most lines tight	Less than 45° Most lines tight
Small asymmetric collapse Change of course until re-inflation	A Less than 90°	A Less than 90°
Maximum dive forward or roll angle Re-inflation behaviour	Dive or roll angle 15° to 45° Spontaneous re-inflation	Dive or roll angle 15° to 45° Spontaneous re-inflation
	Less than 360° No (or only a small number of collapsed cells with a spontaneous re inflation)	Less than 360° No (or only a small number of collapsed cells with a spontaneous re
Twist occurs Cascade occurs		inflation) No No
Folding lines used		no
Large asymmetric collapse Change of course until re-inflation	A Less than 90°	A Less than 90°
	Spontaneous re-inflation	Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360°
	No (or only a small number of collapsed cells with a spontaneous re inflation)	No (or only a small number of collapsed cells with a spontaneous re
Twist occurs Cascade occurs		inflation) No No
Folding lines used		no
Change of course until re-inflation		Less than 90°
Maximum dive forward or roll angle Re-inflation behaviour Total change of course	Spontaneous re-inflation	Dive or roll angle 15° to 45° Spontaneous re-inflation Less than 360°
Collapse on the opposite side occurs	No (or only a small number of collapsed cells with a spontaneous re inflation)	
Twist occurs Cascade occurs	No	No No
Folding lines used Large asymmetric collapse accelerated	no	no
Change of course until re-inflation Maximum dive forward or roll angle	Less than 90°	Less than 90° Dive or roll angle 15° to 45°
Re-inflation behaviour Total change of course	Spontaneous re-inflation Less than 360°	Spontaneous re-inflation Less than 360°
	No (or only a small number of collapsed cells with a spontaneous re inflation)	collapsed cells with a spontaneous reinflation)
Twist occurs Cascade occurs Folding lines used	No	No No no
Directional control with a maintained	A	A
Able to keep course	Yes	Yes
180° turn away from the collapsed side possible in 10 s Amount of control range between turn and stall or	More than 50 % of the symmetric control	Yes More than 50 % of the symmetric
·	travel	control travel
Spin occurs	<u>.</u>	No
<u>Low speed spin tendency</u> Spin occurs	A No	A No
Recovery from a developed spin	Α	A
Spin rotation angle after release Cascade occurs		Stops spinning in less than 90° No
	A	A
	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s	Changing course less than 45° Remains stable with straight span Spontaneous in less than 3 s
Dive forward angle on exit Cascade occurs	Dive forward 0° to 30°	Dive forward 0° to 30° No
<u>Big ears</u>	В	В
Entry procedure Behaviour during big ears	-	Standard technique Stable flight Spontaneous in 3 s to 5 s
	Recovery through pilot action in less than a further 3 s Dive forward 0° to 30°	Spontaneous in 3 s to 5 s Dive forward 0° to 30°
		Α
Dive forward angle on exit Big ears in accelerated flight	B	
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears	Standard technique Stable flight	Standard technique Stable flight
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery Dive forward angle on exit	Standard technique Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30°	Standard technique Stable flight Spontaneous in 3 s to 5 s Dive forward 0° to 30°
Dive forward angle on exit Big ears in accelerated flight Entry procedure Behaviour during big ears Recovery	Standard technique Stable flight Recovery through pilot action in less than a further 3 s Dive forward 0° to 30° Stable flight	Standard technique Stable flight Spontaneous in 3 s to 5 s