Clubs

PRINT TECHNICAL DATA DHV TESTREPORT LTF DATASHEET PARTS LIST OPERATING INSTRUCTION

DHV TESTREPORT LTF

DHV Databases

GIN BOLERO 7 S		
Type designation Type test reference no		
Holder of certification		
Classification Winch towing	A	Contract of the second
Number of seats min / max Accelerator	1 / 1	
Trimmers		
	BEHAVIOUR AT MIN WEIGHT IN FLIGHT (75KG)	BEHAVIOUR AT MAX WEIGHT IN FLIGHT (100KG)
Test pilots		
	Beni Stocker No release	Mario Eder No release
	Smooth, easy and constant rising	Smooth, easy and constant rising
Special take off technique required		No
· -	A	A
Special landing technique required		No .
Speeds in straight flight Trim speed more than 30 km/h	Yes	¦ A Yes
Speed range using the controls larger than 10 km/h		Yes
Minimum speed	Less than 25 km/h	Less than 25 km/h
<u>Control movement</u> Symmetric control pressure	Increasing	Increasing
Symmetric control travel	-	Greater than 60 cm
	A Dive forward less than 200	Dive forward less than 200
Dive forward angle on exit Collapse occurs		Dive forward less than 30° No
Pitch stability operating controls during	LA	A
accelerated flight Collapse occurs	<u> </u>	No
Roll stability and damping	A	A
Oscillations	<u>.</u>	Reducing
	A Constant and the second second	Coordon constitution of the constitution of th
Tendency to return to straight flight		Spontaneous exit
Behaviour exiting a fully developed spiral dive Initial response of glider (first 180°)	<u> </u>	Immediate reduction of rate of turn
Tendency to return to straight flight	Spontaneous exit (g force decreasing, rate of turn decreasing)	Spontaneous exit (g force decreasing, rate of turn decreasing)
Turn angle to recover normal flight	Less than 720°, spontaneous recovery	Less than 720°, spontaneous recovery
	A Rocking back less than 45°	Rocking back less than 45°
_	Spontaneous in less than 3 s	Spontaneous in less than 3 s Dive forward 0° to 30°
Change of course Cascade occurs	Keeping course	Keeping course
Folding lines used		No no
Unaccelerated collapse (at least 50 % chord)	A	A
	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	Dive forward 0° to 30° Entering a turn of less than 90°	Dive forward 0° to 30° Keeping course
Cascade occurs Folding lines used		No no
Accelerated collapse (at least 50 % chord)	A	A
	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	•	Dive forward 0° to 30° Keeping course
Cascade occurs Folding lines used	No	No no
	A	A
Deep stall achieved	Yes	Yes
Dive forward angle on exit		Spontaneous in less than 3 s Dive forward 0° to 30°
Change of course Cascade occurs	Changing course less than 45° No	Changing course less than 45° No
High angle of attack recovery	A	A
Recovery Cascade occurs	Spontaneous in less than 3 s No	Spontaneous in less than 3 s No
Recovery from a developed full stall	A	A
Dive forward angle on exit	Dive forward 0° to 30° No collapse	Dive forward 0° to 30° No collapse
Cascade occurs (other than collapses)	No	No Less than 45°
Rocking back Line tension	Most lines tight	Most lines tight
·	<u>.</u>	A
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 0° to 15°
Re-inflation behaviour Total change of course	Less than 360°	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)	No (or only a small number of collapsed cells with a spontaneous re inflation)
Twist occurs Cascade occurs		No No
Folding lines used		no
·	A Constitution and the constit	A COO
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°
Collapse on the opposite side occurs	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 inflation)
Twist occurs Cascade occurs		No No
Folding lines used		no
	A Constitution and the constit	A COO
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 0° to 15°
Re-inflation behaviour Total change of course	Less than 360°	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)	No (or only a small number of collapsed cells with a spontaneous re inflation)
Twist occurs Cascade occurs		No No
Folding lines used		no
	<u></u>	A COO
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 collapsed cells with a spontaneous re inflation)	No (or only a small number of collapsed cells with a spontaneous re inflation)
Twist occurs Cascade occurs		No No
Cascade occurs Folding lines used		No no
Directional control with a maintained asymmetric collapse	A	A
Able to keep course		Yes
180° turn away from the collapsed side possible in 10 s Amount of control range between turn and stall or		Yes More than 50 % of the symmetric
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
	No.	l A
Spin occurs		No
<u>Low speed spin tendency</u>	No	No No
Spin occurs		
		A
	A Stops spinning in less than 90°	Stops spinning in less than 90° No

B-line stall

Big ears

Big ears in accelerated flight

Alternative means of directional control

Α

Entry procedure Dedicated controls

¦**A**

Entry procedure Dedicated controls

Α

Behaviour before release Remains stable with straight span

Recovery Spontaneous in less than 3 s

Recovery Spontaneous in less than 3 s

Recovery Spontaneous in less than 3 s

Change of course before release Changing course less than 45°

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

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

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

Cascade occurs No

Behaviour during big ears Stable flight

Behaviour during big ears Stable flight

Behaviour immediately after releasing the Stable flight accelerator while maintaining big ears

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

180° turn achievable in 20 s Yes

Stall or spin occurs No

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

Α

No

Changing course less than 45°

Spontaneous in less than 3 s

Spontaneous in less than 3 s

Spontaneous in less than 3 s

Dive forward 0° to 30°

Standard technique

Dive forward 0° to 30°

Standard technique

Dive forward 0° to 30°

Stable flight

Stable flight

Stable flight

Α

Yes

No

Remains stable with straight span