

# Test flight protocol

Paraglider type designation CYBER 4 XS

Planned classification 1 GH LTF 03

Weight ranges: min: 55 kg, max: 75 kg

Test flight No: ..... / 20..

Lower weight range:

geflogen:

Upper weight range:

		Value measured	complies	does not comply	Explanation when not complying respectively arrangements to be implemented
Launch	Inflation	evenly, immediately	1		
	Raising behaviour	rises immediately over pilots head			
	Launch speed	average			
	Launch handling	easy			
Straight flight	Speeds	> 10 km/h	1		
	Roll damping	high			
	Pitch stability	high			
	Stability of direction	-			
Curve handling	Steering way	> 80 cm	1		
	Control force rising	high			
	Agility	average			
	Tendency trail spin	not existing			
	Controllability without brakes	yes			
Lateral overpulling	Deep stall limit	> 75 cm	1		
	Full stall limit	> 80 cm			
	Full stall with fully pulled brakes	soft stall			
	Backsided tilt	-			
	Control force rising	high			
Frontal collapse	Effort	-	1		
	Preacceleration	low			
	Opening characteristics	autonomously delayed			
Frontal collapse accelerated	Effort	-	1		
	Preacceleration	low			
	Opening characteristics	autonomously delayed			
Asymmetric collapse	Rotation	< 90 degrees	1		
	Total rotation	< 90 degrees			
	Rotational speed	low			
	Max. angle of rolling and rotation	less than 45 degrees			
	Height loss	low			
	Stabilising	autonomous			
	Opening characteristics	autonomous			
Asymmetric collapse accelerated	Rotation	< 90 degrees	1		
	Total rotation	< 90 degrees			
	Rotational speed	low			
	Max. angle of rolling and rotation	less than 45 degrees			
	Height loss	low			
	Stabilising	autonomous			
	Opening characteristics	autonomous			

		Value measured	complies	does not comply	Explanation when not complying respectively arrangements to be implemented
Asymmetric collapse	steer against	Stabilising	can be stabilised by brake easily	1	
		Steering way	high		
		Control force rising	high		
		Contra rotation	easy, no spin tendency		
		Opening characteristics	autonomous fast		
Full stall	symmetric exit	Behaviour	calm	1	
		Reaction	low shoot tendency < 30 degrees		
		Rotation	no		
		Rotational speed	-		
		Height loss	-		
		Stabilising	-		
		Opening characteristics	-		
Spin	out of trim speed	Rotational speed		1	
		Exit	Rotation after exiting < 90 degrees		
		Reaction	-		
		Rotation	-		
		Rotational speed	-		
		Height loss	-		
		Stabilising	-		
		Opening characteristics	-		
Spin	out of curve flight	Rotational speed		1	
		Exit	-		
		Reaction	low shoot tendency < 30 degrees		
		Rotation	-		
		Rotational speed	-		
		Height loss	-		
		Opening characteristics	-		
Steep spiral		Entering	easy	1	
		Spin tendency	not existing		
		Exit	Rotation after exiting < 180 degrees		
		Descending speed after 720°	9 m/ s		
B-Stall		Entering	easy	1	
		Exit	autonomous		
Big Ears		Entering	easy	1	
		Exit	autonomous fast		
Big Ears	accel.	Entering	easy	1	
		Exit	autonomous fast		
Landing		Moment of pull out		1	
		Landing speed	low		
		Landing characteristics	easy		

Pilot: Gudrun Öchsl, Alessio Casolla  
measured in flight v - min: 21 km/ h  
measured in flight v - Trimm: km/ h  
measured in flight v - max: km/ h

Take off weight: 72 kg, 78 kg

