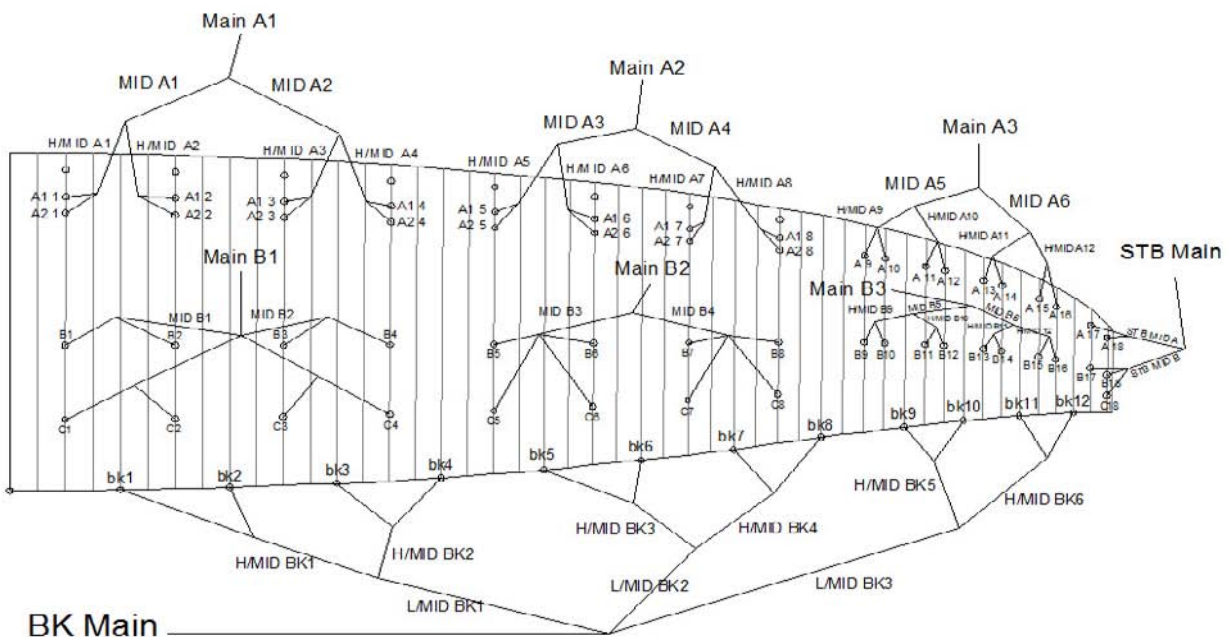


Measurement request from test house for CCC certification From 28/09/2014 to next revision

Brand	Gin Gliders Inc.	Test house name	DHV
Model	Boomerang 9	Certification n°	DHV GS-01-2056-13
Size	S	Certification date	13.11.2013

Absolute line length from bottom riser to canopy

Lined Rib n°	A1	A2	B	C	Brakes	Tension [kg]	Manual tolerances
1	7.849	7.823	7.800	7.942	8.488	5	+/-10mm
2	7.724	7.697	7.673	7.817	8.212	5	+/-10mm
3	7.686	7.659	7.636	7.778	8.058	5	+/-10mm
4	7.740	7.716	7.694	7.832	8.041	5	+/-10mm
5	7.639	7.615	7.596	7.736	7.887	5	+/-10mm
6	7.506	7.483	7.467	7.605	7.790	5	+/-10mm
7	7.440	7.420	7.405	7.531	7.742	5	+/-10mm
8	7.462	7.447	7.433	7.539	7.855	5	+/-10mm
9	7.246		7.239		7.721	5	+/-10mm
10	7.200		7.195		7.675	5	+/-10mm
11	7.121		7.123		7.724	5	+/-10mm
12	7.109		7.111		7.849	5	+/-10mm
13	7.040		7.040			5	+/-10mm
14	7.019		7.021			5	+/-10mm
15	7.018		7.018			5	+/-10mm
16	7.043		7.038			5	+/-10mm
17	6.813		6.813			5	+/-10mm
18	6.789		6.787	6851		5	+/-10mm
19						5	+/-10mm
20						5	+/-10mm
21						5	+/-10mm
22						5	+/-10mm
23						5	+/-10mm
24						5	+/-10mm

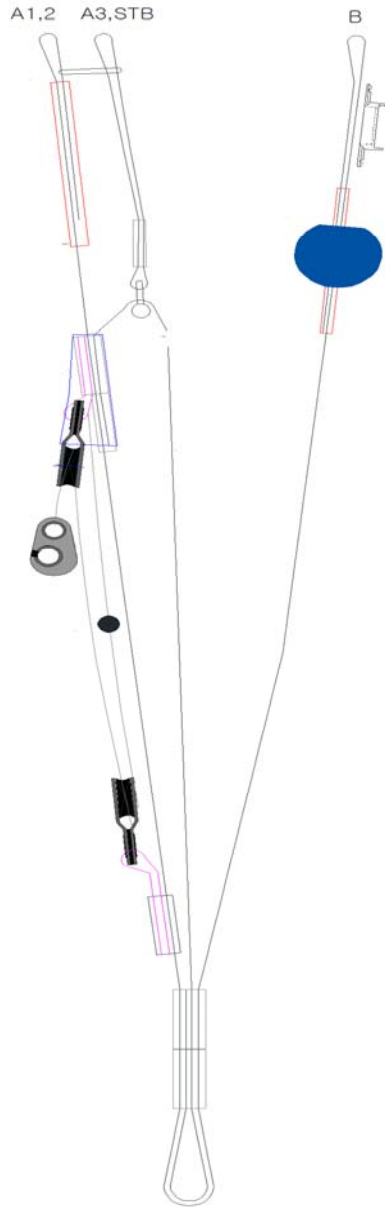


Riser length

From bottom riser to top maillon on each branche [mm]

A1	A2	B	Δt (= A1-B)	Tension [kg]	Manual tolerances	Attachment rod diameter [mm]
500	500	500	0	5	+/-5mm	10

Full speed setting		Manual tolerances
Δa (=B-A1)	140	+/-5mm
B-A2	70	+/-5mm
Total speed Range ($\Delta a + \Delta t$)	140	+/-5mm



A1 - B limiter (blue)
A1 - A2 limiter (red)

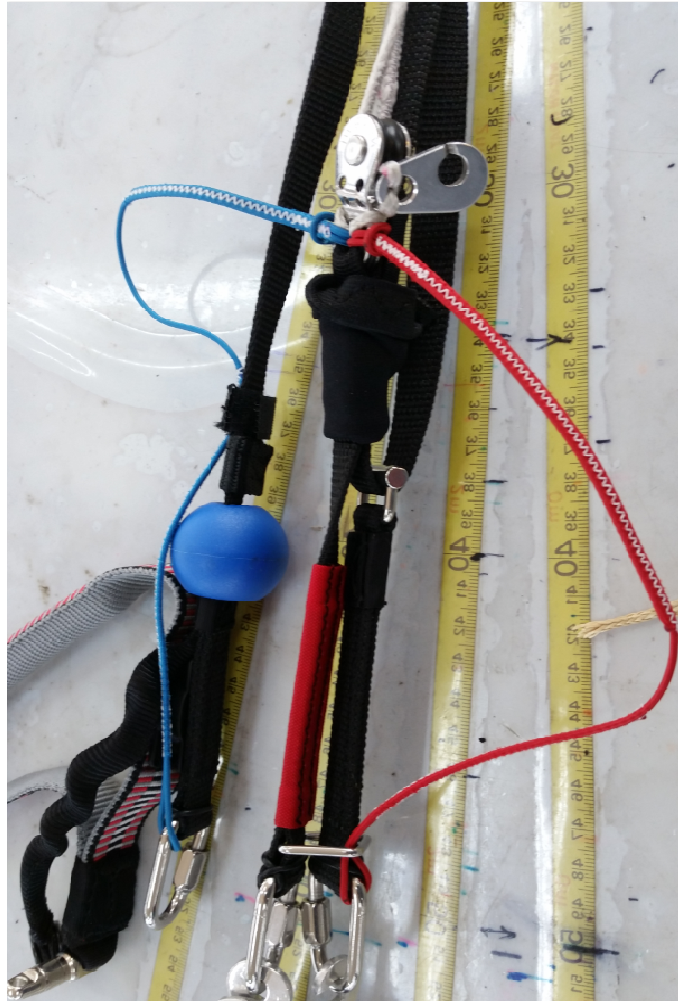


Table of lines quality

Upper											
A1		A2		B		C		BR			
1	Edlerid	8000/U-120	Edlerid	8000/U-090	Edlerid	8000/U-070	Edlerid	New 9200-030 Old 8000-025	Edlerid	New 9200-030 Old 8000-025	
2	Edlerid		Edlerid		Edlerid	8000/U-050	Edlerid				
3	Edlerid		Edlerid		Edlerid	8000/U-070	Edlerid				
4	Edlerid		Edlerid		Edlerid	Edlerid					
5	Edlerid	8000/U-090	Edlerid	8000/U-070	Edlerid	8000/U-050	Edlerid				
6	Edlerid		Edlerid		Edlerid		Edlerid				
7	Edlerid		Edlerid		Edlerid		Edlerid				
8	Edlerid		Edlerid		Edlerid		Edlerid				
9	Edlerid	8000/U-050			Edlerid	8000/U-050			Edlerid		
10	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
11	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
12	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
13	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
14	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
15	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
16	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
17	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid				
18	Edlerid		Edlerid	Edlerid	Edlerid		Edlerid	Edlerid	8000/U-050		
H/middle											
A			B				BR H/Middle				
1	Edlerid	8000/U-120					Edlerid	New 9200-030 Old 8000-025			
2	Edlerid	8000/U-090					Edlerid				
3	Edlerid		Edlerid								
4	Edlerid	8000/U-120					Edlerid				
5	Edlerid	8000/U-090					Edlerid				
6	Edlerid		Edlerid								
7	Edlerid	8000/U-070					Edlerid				
8	Edlerid		Edlerid	8000/U-050	Edlerid						
9	Edlerid		Edlerid		Edlerid						
10	Edlerid		Edlerid		Edlerid						
11	Edlerid	8000/U-050	Edlerid		Edlerid						
12	Edlerid		Edlerid	Edlerid							
Middle											
A			B				C			BR L/Middle	
1	Edlerid	8000/U-190					Edlerid	9200-030 8000-025	Edlerid	8000/U-050	
2	Edlerid		Edlerid	8000/U-090	Edlerid						
3	Edlerid		Edlerid		Edlerid						
4	Edlerid	8000/U-120					Edlerid				
5	Edlerid		Edlerid	8000/U-070	Edlerid						
6	Edlerid	8000/U-090	Edlerid		Edlerid						
Main											
A			B				BR H/Main				
1	Edlerid	8000/U-360					Edlerid	8000/U-190	Edlerid	8000/U-090	
2	Edlerid		Edlerid								
3	Edlerid	8000/U-190					Edlerid	8000/U-050	BR L/Main		
STB	Edlerid	8000/U-090							Liros	PPSL160	
STB mid A	Edlerid	8000/U-050	STB mid B	Edlerid	8000/U-050						

Upper and lower line loop reinforcement: all Edlerid 8000 lines have upper and lower reinforcement: