

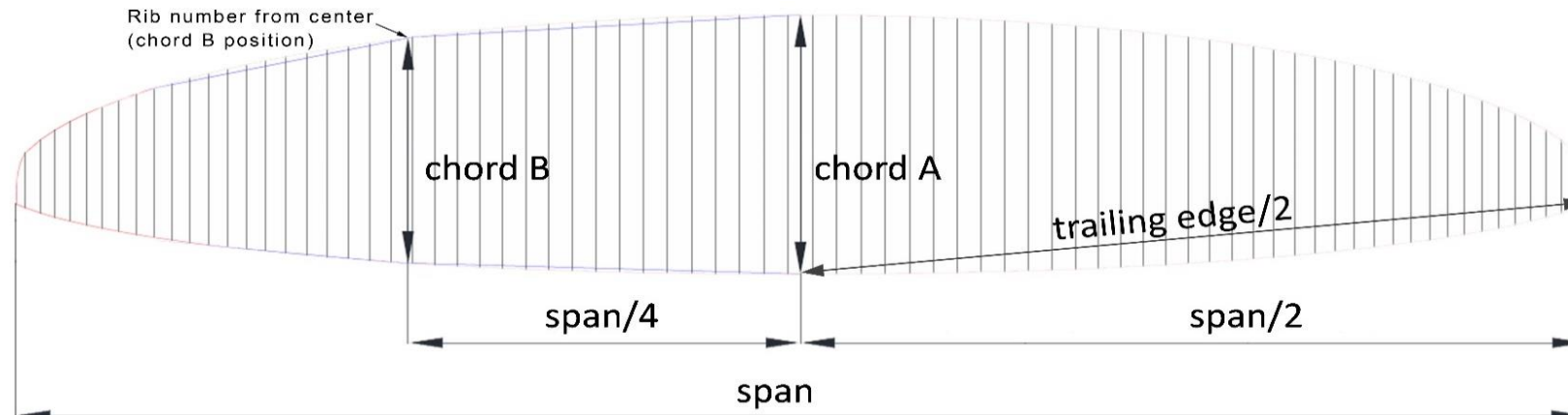
Measurement Report Template

CIVL CCC 2020 (Version 1.1)

Brand	Gin Gliders Inc.	Size	XS	Test laboratory Cert. #	DHV GS-CCC-034-25
Model	Boomerang 13.1	Serial #	BP04-Q1080343P	Certification date	20.06.2025

Canopy dimensions

Position	Rib # from center	Distance [mm]	Tension [daN]	Manual tolerances	Aspect ratio $4 \cdot \text{span} / (\text{chord A} + 2.5 \cdot \text{Chord B})$	Number cells	Scale factor
Full Span		12383	5	+/-2%	7.54	101	1.00
1/2 Trailing Edge		6220	5	+/-1%			
Chord A		1996	1	+/-1%			
Chord B	21	1830	1	+/-1%			



Chord length, inlet position, tabs position measured from trailing edge.

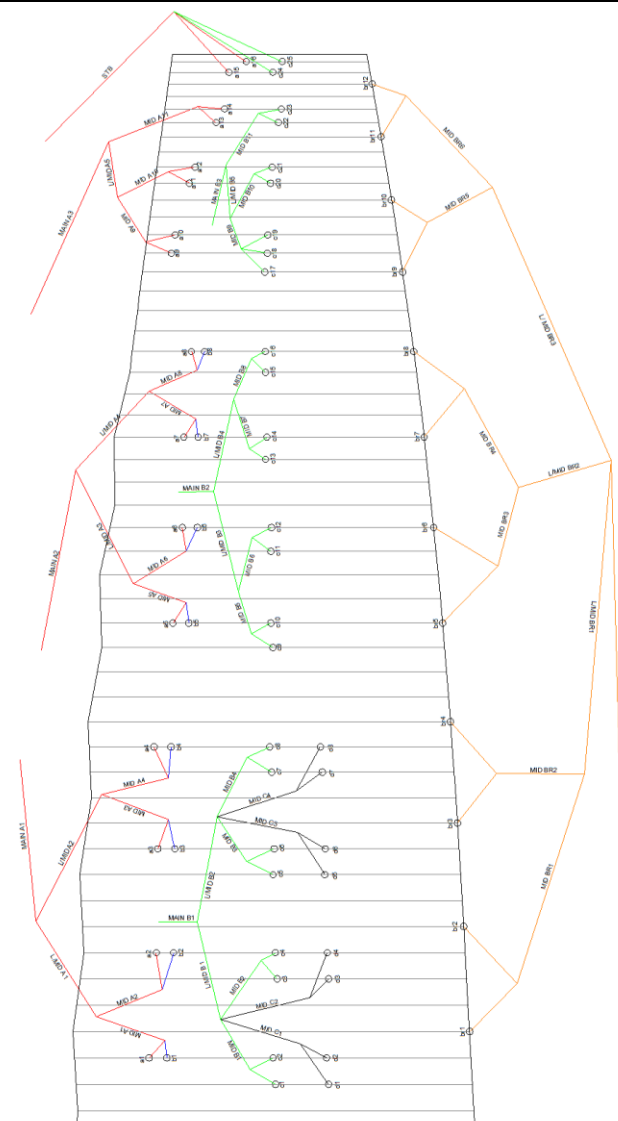
(The tab A & B & C can be on different rib, take care to specify it)

On first lined rib (from center)	Rib n° from center	Distance [mm]	Tension [daN]	Manual tolerances
Chord	2	2022	1	+/-1%
Top of inlet	2	1944	1	+/-1%
Bottom of inlet	2	1890	1	+/-1%
Tab Aa*	3	1782	1	+/-10mm
Tab Ab*	3	1659	1	+/-10mm
Tab B*	2	890	1	+/-10mm
Tab C*	2	586	1	+/-10mm

On last lined rib of Group 2 (from center)	Rib n° from center	Distance [mm]	Tension [daN]	Manual tolerances
Chord	32	1502	1	+/-1%
Top of inlet	32	1444	1	+/-1%
Bottom of inlet	32	1423	1	+/-1%
Tab Aa*	32	1307	1	+/-10mm
Tab Ab*	32	1217	1	+/-10mm
Tab B*	32	661	1	+/-10mm

On last lined rib (stabilo, from center)	Rib n° from center	Distance [mm]	Tension [daN]	Manual tolerances
Chord	50	341	1	+/-1%
Tab A*	50	290	1	+/-10mm
Tab B*	50	177	1	+/-10mm

*Bridle (tab) position measuremt:
end of trailing edge to center bridle (tab)





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ABSOLUTE LINE LENGTH

Absolute line length from bottom riser to canopy in mm with 5daN of tension (Manual tolerances +/-10mm)

For scaled sizes: lines are within +/-20mm of the initial size x scale factor

Number	A1			A2			B					
	Glider	Manual	Delta	Glider	Manual	Delta	Glider	Manual	Delta			
27												
26												
25												
24												
23												
22												
21												
20												
19												
18												
17												
16										6788	6795	-7
15										6814	6820	-6
14										6952	6962	-10
13										6946	6957	-11
12										7005	7012	-7
11										7014	7022	-8
10	7109	7117	-8									
9	7155	7162	-7									
8	7382	7383	-1	7365	7368	-3	7684	7694	-10			
7	7398	7403	-5	7378	7378	0	7658	7664	-6			
6	7477	7478	-1	7455	7453	2	7633	7639	-6			
5	7613	7623	-10	7593	7598	-5	7659	7659	0			
4	7722	7728	-6	7701	7698	3	7692	7694	-2			
3	7688	7698	-10	7663	7668	-5	7701	7699	2			
2	7732	7743	-11	7712	7718	-6	7782	7794	-12			
1	7852	7863	-11	7827	7833	-6	7851	7854	-3			
1	7852	7863	-11	7824	7833	-9	7849	7854	-5			
2	7743	7743	0	7706	7718	-12	7789	7794	-5			
3	7692	7698	-6	7664	7668	-4	7706	7699	7			
4	7728	7728	0	7694	7698	-4	7700	7694	6			
5	7616	7623	-7	7588	7598	-10	7662	7659	3			
6	7480	7478	2	7452	7453	-1	7641	7639	2			
7	7397	7403	-6	7375	7378	-3	7659	7664	-5			
8	7389	7383	6	7361	7368	-7	7690	7694	-4			
9	7159	7162	-3				7601	7604	-3			
10	7114	7117	-3				7547	7549	-2			
11	7018	7022	-4				7442	7444	-2			
12	7014	7012	2				7438	7439	-1			
13	6952	6957	-5				7374	7374	0			
14	6961	6962	-1				7351	7349	2			
15	6818	6820	-2				7349	7344	5			
16	6785	6795	-10				7363	7364	-1			
17							7149	7141	8			
18							7102	7096	6			
19							7095	7086	9			
20							7010	7006	4			
21							7011	7001	10			
22							6975	6963	12			
23							6975	6963	12			
24							6803	6811	-8			
25							6809	6816	-7			
26												
27												

Number	C		
	Glider	Manual	Delta
4	7774	7767	7
3	7778	7772	6
2	7866	7857	9
1	7923	7922	1
1	7923	7922	1
2	7866	7857	9
3	7778	7772	6
4	7774	7767	7

Number	C		
	Glider	Manual	Delta
8	7752	7752	0
7	7732	7732	0
6	7714	7707	7
5	7728	7727	1
5	7728	7727	1
6	7714	7707	7
7	7732	7732	0
8	7752	7752	0

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Riser length

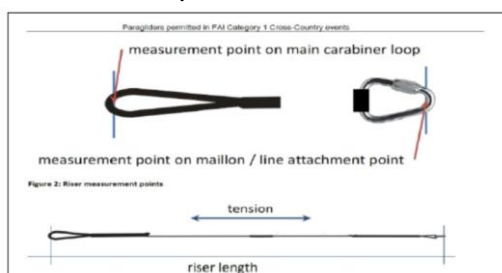
From bottom riser to top maillon on each branche in mm with 5daN (Manual tolerances +/-5mm)

Trimm speed setting	A	A'	Stabi	B	Δt (= A1-B)	Attachment rod \varnothing [mm]
Manual	520	490	490	520	0	10
Glider	519	489	489	521	2	

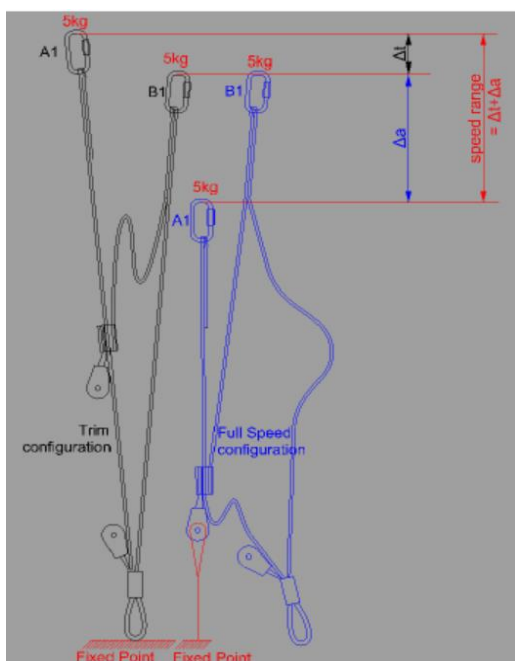
Full speed setting	Δa (=B-A)	B-A'	Total speed range ($\Delta t + \Delta a$)
Manual	142	100	142
Glider	140	101	142

High speed setting	Δa (=B-A1)	Total high speed range > 100
CCC	100	100
Glider	102	104

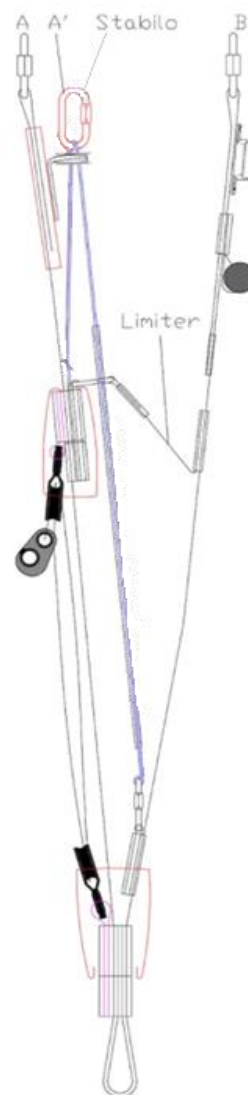
Riser measurement points



Riser measurement lengths



Riser drawing (manufacturer)



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Table of line materials

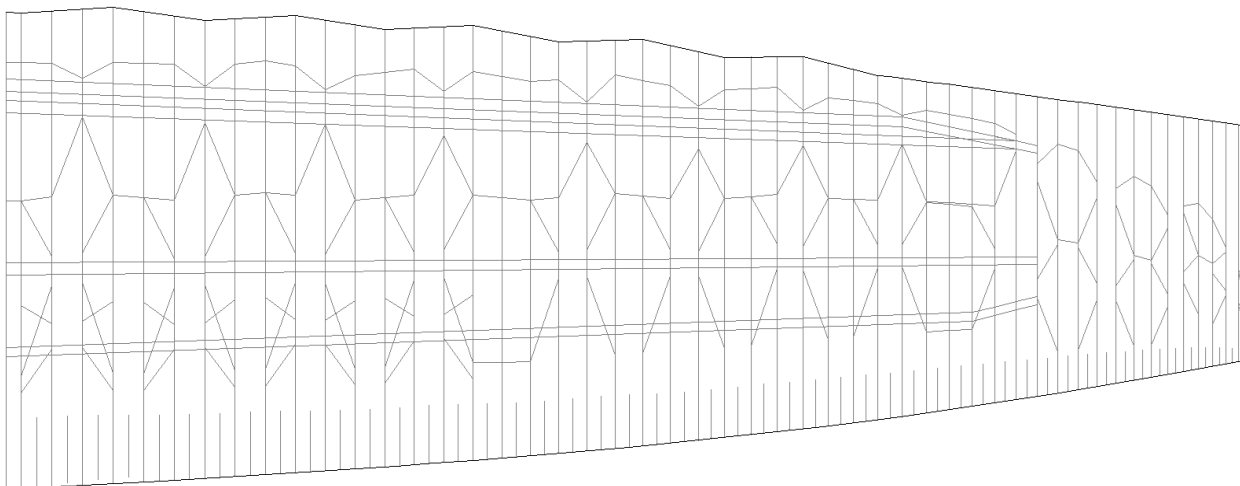
Table of line materials											
Upper											
	A1		A2		B		C		BR		
1	Edlerid	8001-090	Edlerid	8001-090	Edlerid	8001-050	Edlerid	8001-025	Edlerid	8001-025	
2	Edlerid	8001-070	Edlerid	8001-050	Edlerid		Edlerid		Edlerid		
3	Edlerid	8001-070	Edlerid		Edlerid		Edlerid		Edlerid		
4	Edlerid	8001-070	Edlerid		Edlerid		Edlerid		Edlerid		
5	Edlerid	8001-090	Edlerid		Edlerid		Edlerid		Edlerid		
6	Edlerid	8001-070	Edlerid		Edlerid		Edlerid		Edlerid		
7	Edlerid	8001-070	Edlerid		Edlerid		Edlerid		Edlerid		
8	Edlerid	8001-070	Edlerid				Edlerid		Edlerid		Edlerid
9	Edlerid	8001-050			Edlerid	8001-050			Edlerid		
10	Edlerid				Edlerid				Edlerid		
11	Edlerid				Edlerid				Edlerid		
12	Edlerid				Edlerid				Edlerid		
13	Edlerid				Edlerid				Edlerid		
14	Edlerid				Edlerid				Edlerid		
15	Edlerid				Edlerid				Edlerid		
16	Edlerid				Edlerid						
17					Edlerid	8000-025					
18					Edlerid						
19					Edlerid						
20					Edlerid						
21					Edlerid						
22					Edlerid						
23					Edlerid						
24					Edlerid						
25					Edlerid						
H/middle											
	A				B				BR H/Middle		
1	Edlerid	8001-130			Edlerid	8001-050	Edlerid	8001-025	Edlerid	8001-025	
2	Edlerid				Edlerid		Edlerid		Edlerid		
3	Edlerid	8001-090			Edlerid		Edlerid		Edlerid		Edlerid
4	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
5	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
6	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
7	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
8	Edlerid	8001-070			Edlerid		Edlerid		Edlerid		Edlerid
9	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
10	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
11	Edlerid				Edlerid		Edlerid		Edlerid		Edlerid
Middle											
	A				B				BR L/Middle		
1	Edlerid	8001-190			Edlerid	8001-130			Edlerid	8001-050	
2	Edlerid				Edlerid				Edlerid		Edlerid
3	Edlerid				Edlerid				Edlerid		Edlerid
4	Edlerid				Edlerid				Edlerid		Edlerid
5	Edlerid	8001-130			Edlerid	8001-090					
Main											
	A				B				BR H/Main		
1	Edlerid	8001-340			Edlerid	8001-190			Edlerid	8001-090	
2	Edlerid				Edlerid	8001-190			BR L/Main		
3	Edlerid	8001-190			Edlerid	8001-090			GIN	TGL220	
STB H/Main	Edelrid	8001-050									

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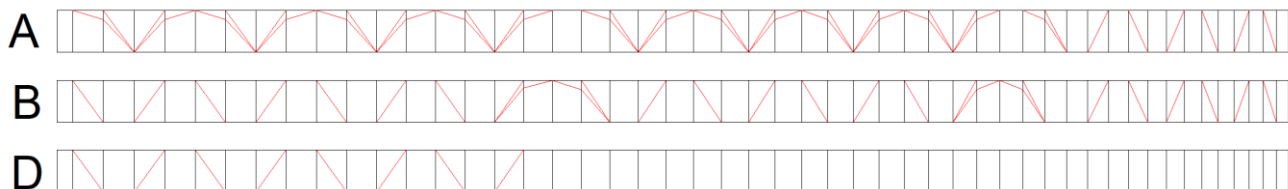
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Drawings and pictures

Diagonals, Hstraps and Mini Ribs (bottom view)



Diagonals (Front view)



Vent (Inlet) shape

